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PROJECT IDENTIFICATION DATA

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01DE-01374-25 (OBM) VEIS, ARTHUR, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL 60611 Matrix component interactions in bone and dentin (rabbits, rats, mice).

R01DE-01554-24 (OBM) MANDEL, IRWIN D, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y 10032 Host factors in caries resistance (human, bacteria).

P01DE-01697-23 (SSS) FORREST, EDWARD J, 3501 TERRACE STREET, PITTSBURGH, PA 15261 A research program in craniofacial problems.

P01DE-01697-23 0035 (SSS) DOYLE, WILLIAM J. A research program in craniofacial problems--Non-human primate model of cleft palate and ear disease (monkeys).

P01DE-01697-23 0036 (SSS) FISHER, STANLEY E. A research program in craniofacial problems--Evaluation of velopharyngeal sphincteric function (human).

P01DE-01697-23 0037 (SSS) GLASER, ELLEN R. A research program in craniofacial problems--Effects of oronasal fistulae on speech (human).

P01DE-01697-23 0038 (SSS) LANGDON, HERBERT L. A research program in craniofacial problems--Anatomy of the posterior pharyngeal wall (human).

P01DE-01697-23 0039 (SSS) PARADISE, JACK L. A research program in craniofacial problems--Otitis media and its consequences (human).

P01DE-01697-23 0040 (SSS) SIEGEL, MICHAEL I. A research program in craniofacial problems--Pattern recognition for reconstruction of nasal capsular anatomy (primates).

P01DE-01697-23 0041 (SSS) STOOL, SYLVAN E. A research program in craniofacial problems--Effect of palate repair on eustachian tube function (human).

P01DE-01850-22 (SSS) SINGER, LEON, UNIVERSITY OF MINNESOTA, 18-104 MALCOLM MOOS TOWER, MINNEAPOLIS, MINN 55455 Nutritional sources and metabolic roles of fluoride.

P01DE-01850-22 0071 (SSS) SINGER, LEON. Nutritional sources and metabolic roles of fluoride--Daily dietary fluoride intake of children and young adults.

P01DE-01850-22 0081 (SSS) SINGER, LEON. Nutritional sources and metabolic roles of fluoride--Effect of fluoride intake on strain N mice.

P01DE-01850-22 0086 (SSS) SINGER, LEON. Nutritional sources and metabolic roles of fluoride--Absorption of fluoride from dietary substances (mice).

P01DE-01850-22 0091 (SSS) SINGER, LEON. Nutritional sources and metabolic roles of fluoride--Metabolic changes in repletion of bone and effect of fluoride intake (rats).

P01DE-01850-22 0092 (SSS) SINGER, LEON. Nutritional sources and metabolic roles of fluoride--Forms of fluoride in plaque (humans, rats).

P01DE-01850-22 0093 (SSS) SINGER, LEON. Nutritional sources and metabolic roles of fluoride--Effect of calcium deficiency on the mobilization of skeletal fluoride (rats).

R01DE-01912-22 (OBM) YOUNG, ROBERT A, GEORGIA INST OF TECHNOLOGY, SCHOOL OF PHYSICS, ATLANTA, GA 30332 Tooth enamel apatite at the atomic level (human).

R01DE-02103-20 (SSS) URIST, MARSHALL R, UNIVERSITY OF CALIFORNIA, 1000 VETERAN AVENUE, LOS ANGELES, CALIF 90024 Inductive substrates of teeth and bone (rats, cattle, mice, rabbits, human).

R01DE-02110-21 (OBM) SCHNEYER, CHARLOTTE A, UNIV OF ALABAMA IN BIRMINGHAM, UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Study of salivary gland structure and function (mice, rats).

R01DE-02320-20 (OBM) MAHLER, DAVID B, OREGON HLTH SCIS UNIVERSITY , 611 S W CAMPUS DRIVE, PORTLAND, OR 97201 Clinical behavior of dental restorative materials (human).

R01DE-02342-14 (OBM) MEYER, JULIA, UNIV OF ILLINOIS AT CHICAGO , POST OFFICE BOX 6998, CHICAGO, ILL 60680 Normal and altered oral mucosa (rats).

N01DE-02424-07 (**) PARKER, NORMA, CHICAGO, ILLINOIS Role of dentists and pediatricians in caries prevention.

R01DE-02525-19 (OBM) SIMMELINK, JAMES W, CASE WESTERN RESERVE UNIV, 2123 ABINGTON ROAD, CLEVELAND, OHIO 44106 Ultrastructural histopathology of human dental enamel.

P50DE-02600-19 (DSR) PAGE, ROY C, UNIVERSITY OF WASHINGTON, SCHOOL OF DENTISTRY SM-42, SEATTLE, WASH 98195 Support for oral biology research center.

P50DE-02600-19 0003 (DSR) BORNSTEIN, PAUL A. Support for oral biology research center--Disorders of connective tissue metabolism (human).

P50DE-02600-19 0014 (DSR) CLAGETT, JAMES A. Support for oral biology research center--B and T cell response in periodontal disease (bacteria).

P50DE-02600-19 0023 (DSR) STORB, URSULA B. Support for oral biology research center--Regulation of antibody response (mice).

P50DE-02600-19 0028 (DSR) HOWARD, GUY. Support for oral biology research center--Repletion and coupling in bone volume regulation (human, monkeys).

P50DE-02600-19 0030 (DSR) ALTMAN, LEONARD C. Support for oral biology research center--Leukocyte function--Its role in periodontal disease (human).

P50DE-02600-19 0034 (DSR) IZUTSU, KENNETH T. Support for oral biology research center--Salivary and oral mucosal changes after chemotherapeutic drugs (human).

P50DE-02600-19 0035 (DSR) KENNY, GEORGE E. Support for oral biology research center--Serotyping of microbes for diagnosis of periodontitis (rabbits).

P50DE-02600-19 0037 (DSR) MONCLA, BERNARD. Support for oral biology research center--Periodontal microflora (human).

P50DE-02600-19 0038 (DSR) NARAYANAN, A SAMPATH. Support for oral biology research center--Connective tissue alterations in periodontal disease.

P50DE-02600-19 0041 (DSR) PAGE, ROY C. Support for oral biology research center--Laboratory and clinical management of the periodontal diseases.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P50DE-02600-19 0043 (DSR) ALTMAN, LEONARD C. Support for oral biology research center--Neutrophil mediated sulcus epithelial cell injury (human).

P50DE-02600-19 0045 (DSR) BIRDSELL, D C. Support for oral biology research center--Colonization by oral gram negative anaerobic bacteria.

P50DE-02600-19 0047 (DSR) PAGE, ROY C. Support for oral biology research center--Clinical research on periodontal diseases.

P50DE-02623-18 (DSR) ROSENBLOOM, JOEL, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104 Center for oral health research.

P50DE-02623-18 0002 (DSR) COHEN, GARY H. Center for oral health research--Glycoprotein gD of herpes simplex virus.

P50DE-02623-18 0009 (DSR) LISTGARTEN, MAX A. Center for oral health research--Oral microorganisms in periodontal health and disease (human, rats).

P50DE-02623-18 0023 (DSR) TAICHMAN, NORTON S. Center for oral health research--Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals).

P50DE-02623-18 0030 (DSR) SHAPIRO, IRVING M. Center for oral health research--Cellular control of mineralization.

P50DE-02623-18 0032 (DSR) MALAMUD, DANIEL. Center for oral health research--Interactions of salivary agglutinins and oral bacteria.

P50DE-02623-18 0034 (DSR) NOWOTNY, ALOIS H. Center for oral health research--Bacterial components inducing bone resroption.

P50DE-02623-18 0035 (DSR) LALLY, EDWARD. Center for oral health research--Cellular aspects of the murine IgA response.

P50DE-02623-18 0036 (DSR) ROSENBLOOM, JOEL. Center for oral health research--Enamel proteins and their genes.

P50DE-02623-18 0037 (DSR) DIRIENZO, JOSEPH M. Center for oral health research--Physiology and genetics of transport in oral fusobacteria.

P50DE-02668-19 (DSR) STAMM, JOHN W, UNIV OF NORTH CAROLINA, DENTAL RESEARCH BLDG 210H, CHAPEL HILL, N C 27514 Regional dental research center.

P50DE-02668-19 0088 (DSR) TOVERUD, S U. Regional dental research center--Hypervitaminosis D in lactation (rats).

P50DE-02668-19 0123 (DSR) KUSY, ROBERT P. Regional dental research center--In situ replication techniques and the wear of restorative materials

P50DE-02668-19 0125 (DSR) MECHANIC, GERALD L. Regional dental research center--Significance of collagen crosslinks in tissue.

P50DE-02668-19 0149 (DSR) TURNER, DEREK T. Regional dental research center--Strengths of polymers in tooth restorative materials.

P50DE-02668-19 0150 (DSR) TURNER, DEREK T. Regional dental research center--Polymerization of tooth restorative composite materials.

P50DE-02668-19 0151 (DSR) BAWDEN, JAMES W. Regional dental research center--Factors controlling the flux o. ions into developing enamel.

P50DE-02668-19 0168 (DSR) WHITE, GILBERT C. Regional dental research center--Platelets and thrombin (human).

P50DE-02668-19 0172 (DSR) JOHNSTON, MALCOLM C. Regional dental research center--Genetic and environmental factors interaction in development of cleft lip (mice).

P50DE-02668-19 0176 (DSR) MECHANIC, GERALD L. Regional dental research center--Collagen biochemistry and myeloblastoma (chick embryo).

P50DE-02668-19 0190 (DSR) LUNDBLAD, ROGER L. Regional dental research center--Thrombin and prothrombin.

P50DE-02668-19 0191 (DSR) WILDER, ALDRIDGE D. Regional dental research center--Clinical study of restorative materials.

P50DE-02668-19 0196 (DSR) HANKER, JACOB S. Regional dental research center--Ultracytochemical demonstration of enzymes and biomacromolecules (mice).

P50DE-02668-19 0197 (DSR) HANKER, JACOB S. Regional dental research center--Ultracytochemical and immunocytochemical studies of nerve tissue.

P50DE-02668-19 0204 (DSR) DREYER, DUANE A. Regional dental research center--Psychophysical measures of combined tactile and thermal sensitivity (human).

P50DE-02668-19 0209 (DSR) DREYER, DUANE A. Regional dental research center--Static and dynamic properties of S-I neurons in the behaving macaque monkey.

P50DE-02668-19 0210 (DSR) WHITSEL, BARRY L. Regional dental research center--Somesthetic capacities of human subjects (monkeys).

P50DE-02668-19 0213 (DSR) COFFEY, JAMES C. Regional dental research center--Action of androgen on submaxillary gland function.

P50DE-02668-19 0214 (DSR) WARREN, DONALD W. Regional dental research center--Motor control during speech.

P50DE-02668-19 0215 (DSR) HIRSCH, PHILIP F. Regional dental research center--Osteopenia--Factors influencing development and recovery (rats).

P50DE-02670-19 (DSR) FULLMER, HAROLD M, UNIV OF ALABAMA SCH OF DENT , UNIV OF ALABAMA IN BIRMINGHAM , BIRMINGHAM, ALA 35294 Institute of dental research.

P50DE-02670-19 0001 (DSR) BUGG, CHARLES E. Institute of dental research--X-ray crystallography program.

P50DE-02670-19 0003 (DSR) BUTLER, WILLIAM T. Institute of dental research--Macromolecules of mineralized tissues.

P50DE-02670-19 0014 (DSR) KOULOURIDES, THEODORE. Institute of dental research--Intraoral and in vitro studies of dental caries.

P50DE-02670-19 0018 (DSR) MESTECKY, JIRI F. Institute of dental research--Immune response to Streptococcus mutans.

P50DE-02670-19 0019 (DSR) MILLER, EDWARD J. Institute of dental research--Chemistry/biology of the genetically-distinct collagens.

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P50DE-02670-19 0020 (DSR) NAVIA, JUAN M. Institute of dental research-Effects of trace elements on tooth development and caries.

P50DE-02670-19 0024 (DSR) RODEN, LENNART. Institute of dental research-Biosynthesis of heparin and heparin sulfate.

P50DE-02670-19 0029 (DSR) BAKER, JOHN R. Institute of dental research-Structure and interactions of proteoglycans.

P50DE-02670-19 0036 (DSR) LETIEF, D HUGO. Institute of dental research-Dental caries preventive measures (rats).

P50DE-02670-19 0037 (DSR) MCGHEE, JERRY R. Institute of dental research-IgA responses to S mutans-Induction and regulation.

P50DE-02670-19 0038 (DSR) GAY, STEFFEN. Institute of dental research-Immunology-pathology of the different collagen types (rats).

P50DE-02670-19 0039 (DSR) BIRKEDAL-HANSEN, HENNING. Institute of dental research-Structure and function of latent collagenase.

P50DE-02670-19 0040 (DSR) CAULFIELD, PAGE W. Institute of dental research--Streptococcus mutans strains common to mother and child (mammals).

P50DE-02670-19 0041 (DSR) MICHALEK, SUZANNE M. Institute of dental research--Oral disease immunobiology--Hybridoma technology.

P50DE-02731-19 (DSR) AVERY, JAMES K, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE , ANN ARBOR, MICH 48109 Development support for dental research institute.

P50DE-02731-19 0001 (DSR) ASH, MAJOR M. Development support for dental research institute--Stomatognathic physiology laboratory (human).

P50DE-02731-19 0019 (DSR) CLEWELL, DON B. Development support for dental research institute--Molecular biology laboratory.

P50DE-02731-19 0021 (DSR) LOESCHE, WALTER J. Development support for dental research institute--Bacteriology laboratory (human).

P50DE-02731-19 0031 (DSR) DZIEWIATKOWSKI, DOMINIC D. Development support for dental research institute--Biochemistry laboratory (human).

P50DE-02731-19 0032 (DSR) MACCALLUM, DONALD K. Development support for dental research institute--Experimental cytology laboratory (rats).

P50DE-02731-19 0033 (DSR) CAFFESSE, R G. Development support for dental research institute--Epidemiology laboratory (human).

P50DE-02731-19 0034 (DSR) KESSLER, R E. Development support for dental research institute--Microbial biochemistry laboratory.

P50DE-02731-19 0035 (DSR) LOPATIN, DENNIS E. Development support for dental research institute--Immunology laboratory.

P50DE-02731-19 0037 (DSR) OBRIEN, W J. Development support for dental research institute--Surface science laboratory.

R01DE-02774-17 (OBM) BRINKLEY, LINDA L, UNIVERSITY OF MICHIGAN, 1335 CATHERINE ST, ANN ARBOR, MICH 48109 Tissue interaction in palatal shelf closure (mice).

P01DE-02847-17 (SSS) GIBBONS, RONALD J, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Microbial ecology and its relation to dental disease.

P01DE-02847-17 0020 (SSS) GIBBONS, RONALD J. Microbial ecology and its relation to dental disease--Adherence of oral bacteria to teeth.

P01DE-02847-17 0021 (SSS) VANHOUTE, JOHANNES. Microbial ecology and its relation to dental disease--Oral colonization of cariogenic and plaque forming bacteria.

P01DE-02847-17 0022 (SSS) JORDAN, HAROLD V. Microbial ecology and its relation to dental disease--Cemental caries as a dental problem (human, rats, primates).

P01DE-02847-17 0023 (SSS) SOCRANSKY, SIGMUND S. Microbial ecology and its relation to dental disease--Microbiota associated with periodontal diseases (human, rats, hamsters).

P01DE-02848-15 (SSS) SLAVKIN, HAROLD C, UNIV OF SOUTHERN CALIFORNIA , UNIVERSITY PARK MC-0191, LOS ANGELES, CA 90089-0191 Biology of connective tissue, bones, and teeth.

P01DE-02848-15 0007 (SSS) SLAVKIN, HAROLD C. Biology of connective tissue, bones, and teeth--Extracellular matrix and epithelial gene expression (animals).

P01DE-02848-15 0009 (SSS) FERGUSON, MARK W. Biology of connective tissue, bones, and teeth--Epithelial-mesenchymal interactions and palate morphogenesis.

P01DE-02848-15 0010 (SSS) ZEICHNER-DAVID, MARGARITA. Biology of connective tissue, bones, and teeth--Enamel gene expression during vertebrate tooth development (animals).

P01DE-02872-16 (SSS) ADUSS, HOWARD, P O BOX 6998, CHICAGO, ILL 60680 Center for craniofacial anomalies.

P01DE-02872-16 0018 (SSS) ADUSS, HOWARD. Center for craniofacial anomalies--Computerization of clinical data.

P01DE-02872-16 0062 (SSS) ADUSS, HOWARD. Center for craniofacial anomalies--Growth studies.

P01DE-02872-16 0063 (SSS) KAYE,. Center for craniofacial anomalies--Genetic studies (human).

P01DE-02872-16 0064 (SSS) GOULD, HERBERT J. Center for craniofacial anomalies--Audiology/otologic studies.

R01DE-02936-17 (OBM) MAHLER, DAVID B, OREGON HLTH SCI UNIV, 611 S W CAMPUS DRIVE, PORTLAND, OREG 97201 Relationship of microstructure to behavior of amalgam.

R01DE-02953-13 (PBC) LI, SHU-TUNG, THE UNIVERSITY OF CONNECTICUT, SCHOOL OF DENTAL MEDICINE, FARMINGTON, CONN 06032 The developmental biology of calcified tissues (rats).

R01DE-03180-15 (OBM) ROSAN, BURTON, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104 Microbiologic studies of the human oral streptococci (also rabbits).

R01DE-03187-14 (OBM) MORENO, EDGARD C, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Transport in enamel and solubility of enamel (human).

R01DE-03223-15 (OBM) NANCOLLAS, GEORGE H, STATE UNIV OF NY AT BUFFALO , MAIN ST CAMPUS ACHESON HALL , BUFFALO, NY 14214 Kinetics of mineralization of teeth (human).

R01DE-03246-16 (CBY) CAPLOW, MICHAEL, U OF NORTH CAROLINA/CHAPEL HIL, DEPARTMENT OF BIOCHEMISTRY, CHAPEL HILL, N C 27514 Biochemical mechanisms relevant to dentistry.

R01DE-03258-14 (OBM) KURAMITSU, HOWARD K, NORTHWESTERN UNIVERSITY, 303 E CHICAGO AVENUE, CHICAGO, ILL 60611 Cloning of streptococcus mutans genes (human, rabbits).

R01DE-03301-15 (PBC) PAGE, ROY C, UNIVERSITY OF WASHINGTON, DEPARTMENT OF PATHOLOGY SM-30 , SEATTLE, WASH 98195 Connective tissues of the periodontium (human, dog).

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01DE-03318-14 (PBC) SCHNEIR, MICHAEL L, UNIV OF SOUTHERN CALIFORNIA , ARMANSON CTR BIOLOGICAL RES , LOS ANGELES, CA 90089-1462 The molecular nature of gingival and mucosal collagen (rats).

R01DE-03430-13 (OBM) TAUBMAN, MARTIN A, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Immune phenomena in experimental periodontal disease (rats).

R01DE-03487-14 (OBM) SHOCKMAN, GERALD D, TEMPLE UNIVERSITY, DEPT OF MICROBIOL IMMUNOLOGY , PHILADELPHIA, PA 19140 Inhibition of human cariogenic streptococci.

R01DE-03488-14 (OBM) TANNER, ANNE C, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Microbial composition of developing dental plaque (human, bacteria).

R01DE-03497-11 (OBM) YOUNG, FRANKLIN A, MEDICAL UNIV OF SOUTH CAROLINA, 171 ASHLEY AVENUE, CHARLESTON, S C 29425 Artificial tooth roots (human, primates).

P01DE-03568-11 (SSS) MC CARTHY, JOSEPH G, NEW YORK UNIVERSITY MED CTR , 550 FIRST AVENUE, NEW YORK, N Y 10016 Craniofacial anomalies--Etiology and treatment.

P01DE-03568-11 0010 (SSS) MC CARTHY JOSEPH G. Craniofacial anomalies--Etiology and treatment--Components of syndromes and their classification (human).

P01DE-03568-11 0011 (SSS) MC CARTHY, JOSEPH G. Craniofacial anomalies--Etiology and treatment--Development or growth patterns in craniofacial anomalies (human).

P01DE-03568-11 0012 (SSS) MC CARTHY JOSEPH G. Craniofacial anomalies--Etiology and treatment--Effects of surgical-orthodontic intervention.

P01DE-03565-11 0013 (SSS) MC CARTHY JOSEPH G. Craniofacial anomalies--Etiology and treatment--Development of new methods for the study of craniofacial anomalies.

R01DE-03578-14 (PC) ROBYT, JOHN F, IOWA STATE UNIVERSITY, DEPT BIOCHEMISTRY & BIOPHYSICS, AMES, IOWA 50011 Biosynthetic study of dental plaque polysaccharides (bacteria).

R01DE-03598-10 (OBM) BAUMRIND, SHELDON, UNIVERSITY OF CALIFORNIA, DEPT OF GROWTH & DEVELOPMENT , SAN FRANCISCO, CALIF 94143 Dentofacial effects of forces to retract the maxilla (human).

R01DE-03601-12 (OBM) MAREK, MIROSLAV I, GEORGIA INST OF TECHNOLOGY, SCHOOL OF CHEMICAL ENGINEERING, ATLANTA, GA 30332 Effect of corrosion on dental amalgams.

R01DE-03606-16 (MBC) ANDERSON, DWIGHT L, UNIVERSITY OF MINNESOTA, 18-246 MOOS HLTH SCI TOWER, MINNEAPOLIS, MINN 55455 Morphogenesis of bacteriophage Phi-29.

P01DE-03610-19 (SSS) MOYERS, ROBERT E, UNIVERSITY OF MICHIGAN, 300 N INGALLS, ANN ARBOR, MICH 48109 Craniofacial growth and development.

P01DE-03610-19 0016 (SSS) MOYERS, ROBERT E. Craniofacial growth and development--Craniofacial growth from change (human).

P01DE-03610-19 0017 (SSS) BURDI, ALPHONSE R. Craniofacial growth and development--Prenatal patterns of abnormal human craniofacial morphogenesis.

P01DE-03610-19 0018 (SSS) MCNAMARA, JAMES A. Craniofacial growth and development--Growth function, and adaptation of the masticatory complex (humans, monkeys).

R01DE-03658-21 (MGN) AZEN, EDWIN A, 310 GENETICS BUILDING, UNIVERSITY OF WISCONSIN, MADISON, WIS 53706 Genetic polymorphisms of saliva (human, mice).

R01DE-03686-09 (RAD) SODICOFF, MARVIN, TEMPLE UNIVERSITY, 3400 N BROAD STREET, PHILADELPHIA, PA 19140 X-ray therapeutic index for salivary glands (rodents, human).

R01DE-03703-08 (OBM) BAUMRIND, SHELDON, UNIVERSITY OF CALIFORNIA, DEPT OF GROWTH AND DEVELOPMENT, SAN FRANCISCO, CALIF 94143 Integrated three-dimensional craniofacial measurement (human).

R01DE-03731-10 (PC) MAYER, ROBERT M, OHIO STATE UNIVERSITY, 140 W 18TH AVENUE, COLUMBUS, OHIO 43210 Studies on the dextran sucrase of Streptococcus sanguis.

R01DE-03738-13 (EI) SNYDERMAN, RALPH, DUKE UNIVERSITY, POST OFFICE BOX 3892, DURHAM, N C 27710 Humoral and cellular mediators of inflammation (human, mammals).

R01DE-03739-13 (OBM) MOOSER, GREGORY, UNIV OF SOUTHERN CALIFORNIA , SCHOOL OF DENTISTRY, LOS ANGELES, CA 90089-0641 Glycosyltransferases from oral bacteria.

R01DE-03745-14 (OBM) GARANT, PHILIAS R, S U N Y AT STONY BROOK, HEALTH SCIENCE CENTER, STONY BROOK, N Y 11794 Ultrastructure of experimental periodontitis (dogs, rabbits, rats).

R01DE-03758-11 (OBM) TANZER, JASON M, UNIVERSITY OF CONNECTICUT, DEPARTMENT OF ORAL DIAGNOSIS , FARMINGTON, CONN 06032 Virulence and competition against streptococcus mutans (hamsters, mice, rats).

R01DE-03868-09 (BEM) KEGELES, S STEPHEN, UNIVERSITY OF CONNECTICUT, 263 FARMINGTON AVENUE, FARMINGTON, CONN 06032 Children's acceptance of caries preventive procedures.

R01DE-03915-12 (OBM) HAY, DONALD I, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MASS 02115 Tooth-saliva interface phenomena and dental caries (rabbits, goats).

R01DE-03917-10 (OBM) KASHKET, SHELBY, FOPSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MA 02115 Fluoride and the metabolism of plaque bacteria.

R01DE-03953-11 (OBM) BURSTONE, CHARLES J, UNIV OF CONNECTICUT HLTH CTR , SCHOOL OF DENTAL MEDICINE, FARMINGTON, CT 06032 Force systems from orthodontic appliances.

R01DE-03987-11 (OBM) GOLUB, LORNE M, SCHOOL OF DENTAL MEDICINE, STATE UNIVERSITY OF NEW YORK , STONY BROOK, NY 11794 Gingival collagen metabolism in health and disease (human, guinea pigs, rats).

R01DE-03995-11 (OBM) TAICHMAN, NORTON S, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria).

R01DE-04008-11 (GMB) CAPLAN, ARNOLD I, CASE WESTERN RESERVE UNIV, DEPARTMENT OF BIOLOGY, CLEVELAND, OHIO 44106 Cellular and developmental control of calcification (chick embryo).

R01DE-04068-11 (EDC) FLEISS, JOSEPH L, COLUMBIA UNIVERSITY, 600 WEST 168TH STREET, NEW YORK, N Y 10032 Statistical methods in dental research.

PROJECT NO. REVIEW GROUP. INVESTIGATOR. ADDRESS. AND TITLE

R01DE-04096-07 (SSS) LANGELAND, KAARE, UNIVERSITY OF CONNECTICUT, DEPT OF ENDODONTICS L 7080, FARMINGTON, CONN 06032 Biocompatibility of endodontic materials (guinea pigs, rats, monkeys).

R01DE-04123-09 (SSS) LE GEROS, RACQUEL Z, NEW YORK UNIVERSITY DENTAL CTR, 345 EAST 24TH STREET, NEW YORK, NY 10010 Enamel apatites relating to caries susceptibility (human, animals).

R01DE-04136-11 (OBM) KORAN, ANDREW, UNIVERSITY OF MICHIGAN, 1011 N UNIVERSITY AVENUE, ANN ARBOR, MICH 48109 Maxillofacial materials--Color study (human).

R01DE-04141-11 (OBM) BOSKEY, ADELE L, HOSPITAL FOR SPECIAL SURGERY, 535 EAST 70TH ST, NEW YORK, N Y 10021 Mechanism of hard tissue mineralization (human, rats).

R01DE-04164-08 (OBM) MUHL, ZANE F, UNIVERSITY OF ILLINOIS, 801 S PAULINA ST, CHICAGO, ILL 60612 Functional properties of rabbit jaw muscles (rabbit).

R01DE-04166-16 (NEUB) GOLDBERG, LOUIS J, UNIVERSITY OF CALIFORNIA, CENTER FOR THE HEALTH SCIENCES, LOS ANGELES, CALIF 90024 Oral pharyngeal reflexes (cats, human).

R01DE-04192-09 (OBM) JORDAN, TRUMAN H, CORNELL COLLEGE, MOUNT VERNON, IOWA 52314 The SnF2-Ca (OH) 2-H3PO4-H2O reaction system.

R01DE-04217-11 (OBM) MC GHEE, JERRY R, UNIV OF ALABAMA AT BIRMINGHAM, UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits).

R01DE-04224-11 (GEN) MACRINA, FRANCIS L, VIRGINIA COMMONWEALTH UNIV, BOX 678-MCV STATION, RICHMOND, VA 23298 Studies on the genetics of oral microflora (rats).

R01DE-04227-10 (OBM) MC NAMARRA, JAMES A, UNIVERSITY OF MICHIGAN, 1111 E CATHERINE STREET, ANN ARBOR, MICH 48109 Adaptations to changes in masticatory muscle length (monkeys).

R01DE-04230-10 (OBM) SKOBE, ZIEDONIS, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MASS 02115 Comparative ultrastructure of mammalian amelogenesis (cats).

R01DE-04235-09 (OBM) THOMAS, EDWIN L, ST JUDE CHILDREN'S RES HOSP, 332 NORTH LAUDERDALE, MEMPHIS, TENN 38101 Peroxidase in saliva and prevention of oral disease (human, S mutants).

R01DE-04278-09 (OBM) COWMAN, RICHARD A, VETERANS ADMIN MED CTR, 1201 N W 16 STREET, MIAMI, FLA 33125 Human saliva-streptococcal metabolic interactions.

R01DE-04296-10 (OBM) POLLOCK, JERRY J, S U N Y - AT STONY BROOK, DEPT OF ORAL BIOLOGY-PATHOLOGY, STONY BROOK, N Y 11794 Lysozyme-cell surface interactions and oral defense.

R01DE-04316-09 (CBY) WESTON, JAMES A, UNIVERSITY OF OREGON, DEPARTMENT OF BIOLOGY, EUGENE, OREG 97403 Environmental control of neural crest development (mouse, chick embryos).

R01DE-04321-11 (OBM) MC CABE, MEAD M, UNIVERSITY OF MIAMI, PO BOX 016960, MIAMI, FLA 33101 Cell adherence of dental plaque forming streptococci (rabbits).

R01DE-04327-10 (CP) MAJESKA, ROBERT, UNIVERSITY OF CONNECTICUT, 263 FARMINGTON AVENUE, FARMINGTON, CONN 06032 Mechanical and electrical effects on osteogenesis (rats).

R01DE-04345-10 (OBM) GAY, CAROL V, , R D 1, BOX 473, BELLEFONTE, PA 16823 Cell biology of osteoclasts (chickens).

R01DE-04358-09 (BEM) GALE, ELLIOT N, DEPT OF BEHAVIORAL SCIENCE, FARBER HALL, BUFFALO, NY 14214 Treatment of temporomandibular joint pain.

R01DE-04385-10 (SSS) CHOW, LAURENCE C, ADAHF RESEARCH UNIT, NATIONAL BUREAU OF STANDARDS, GAITHERSBURG, MD 20899 Mechanism of dental caries.

R01DE-04387-09 (OBM) ALLMANN, DAVID W, INDIANA UNIVERSITY, 635 BARNHILL DRIVE, INDIANAPOLIS, IND 46223 Effect of fluoride on cAMP and glucose metabolism (rats).

R01DE-04439-06 (OBM) VOGEL, JAMES J, UNIV OF TEXAS DENTAL BRANCH, PO BOX 20068, HOUSTON, TX 77025 Dental calculus using calcifiable lipoprotein analogues.

R01DE-04486-08 (OBM) WEFEL, JAMES S, UNIVERSITY OF IOWA, DOWS INST FOR DENTAL RESEARCH, IOWA CITY, IOWA 52242 Kinetics and mechanisms of action of fluorides (human).

R01DE-04494-08 (BEM) CORAH, NORMAN L, DEPT OF BEHAVIORAL SCIENCE, FARBER HALL, BUFFALO, N Y 14214 Control of stress during dental procedures (human).

R01DE-04511-10 (OBM) TAICHMAN, LORNE B, S U N Y - AT STONY BROOK, DEPT OF ORAL BIOLOGY/PATHOLOGY, STONY BROOK, N Y 11794 Stability of differentiation--Craniofacial study (mice, human, hamsters).

R01DE-04518-09 (OBM) LEVINE, MICHAEL J, S U N Y - AT BUFFALO, 312 CARY HALL, BUFFALO, NY 14214 Streptococcus sanguis receptors for salivary glycoproteins.

R01DE-04529-09 (OBM) HILLMAN, JEFFREY D, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MASS 02115 Replacement therapy of dental caries (rats).

R01DE-04531-08 (OBM) HYLANDER, WILLIAM L, DUKE UNIVERSITY MEDICAL CENTER, DEPARTMENT OF ANATOMY, DURHAM, N C 27710 Strain in the facial bones (monkeys).

R01DE-04614-09 (OBM) LILJEMARK, WILLIAM F, UNIVERSITY OF MINNESOTA, 515 DELAWARE STREET S E, MINNEAPOLIS, MINN 55455 Adherence of oral streptococci to hydroxyapatite.

R01DE-04622-09 (HED) GOLDMAN, ALLEN S, JOSEPH STOKES, JR RES INST, 34TH STREET & CIVIC CTR BLVD, PHILADELPHIA, PA 19104-4399 Craniofacial anomalies and protein receptors (mice, rats).

R01DE-04645-08 (MBC) CHARON, NYLES W, WEST VIRGINIA UNIVERSITY, DEPARTMENT OF MICROBIOLOGY, MORGANTOWN, W VA 26506 A genetic-biochemical analysis of spirochete motility (mice).

R01DE-04660-10 (OBM) DALE, BEVERLY A, UNIVERSITY OF WASHINGTON, DEPARTMENT OF PERIODONTICS, SEATTLE, WASH 98195 Keratohyalin in keratinization--Oral mucosa and skin (human).

R01DE-04705-06 (OBM) JORDAN, TRUMAN H, CORNELL COLLEGE, MT VERNON, IOWA 52314 Reactions of titanium fluoride with hydroxpatite.

R01DE-04724-07 (OBM) BARON, ROLAND E, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN 06510 Cellular events in bone remodeling (rats, mice, chickens).

R01DE-04733-08 (OBM) TAUBMAN, MARTIN A, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Secretory immune response and S mutans glucosyltransferase (mammals).

R01DE-04744-06 (OBM) COBURN, ROBERT A, S U N Y AT BUFFALO, DEPT OF MEDICINAL CHEMISTRY, BUFFALO, N Y 14260 New antimicrobial agents for preventing oral diseases (human, bacteria).

R01DE-04749-06 (OBM) RAWLS, HENRY R, LOUISIANA STATE UNIVERSITY, 1100 FLORIDA AVENUE, NEW ORLEANS, LA 70119 F releasing and acid barrier-polymer caries therapies.

R01DE-04786-08 (CMS) SESSLE, BARRY J, UNIVERSITY OF TORONTO, 124 EDWARD ST, TORONTO, ONT, CANADA M5G 1G6 Dental and orofacial pain--Brain stem mechanisms (cats).

R01DE-04814-06 (OBM) GETTLEMAN, LAWRENCE, GULF SOUTH RESEARCH INST, POST OFFICE BOX 26518, NEW ORLEANS, LA 70186 Clinical evaluation of PNF permanent soft denture liners.

R01DE-04859-06 (HED) TYLER, MARY S, UNIVERSITY OF MAINE, DEPARTMENT OF ZOOLOGY, ORONO, MAINE 04469 Tissue interactions in the cranio-facial region (mice, chick embryos).

P50DE-04881-09 (DSR) SOCRANSKY, SIGMUND S, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Clinical research in periodontal disease.

P50DE-04881-09 0001 (DSR) SOCRANSKY, SIGMUND S. Clinical research in periodontal disease--Diagnosis and treatment of destructive periodontal diseases (human).

P50DE-04881-09 0002 (DSR) SOCRANSKY, SIGMUND S. Clinical research in periodontal disease--Relationship of subgingival microbiota to the etiology of periodontal diseases.

P50DE-04881-09 0003 (DSR) STASHENKO, PHILIP. Clinical research in periodontal disease--Host immunologic response to oral microorganisms.

P50DE-04881-09 0004 (DSR) GOODSON, J MAX. Clinical research in periodontal disease--Bone destruction in periodontal disease (human).

R01DE-04883-08 (OBM) ASGAR, KAMAL, UNIVERSITY OF MICHIGAN, DEPARTMENT OF DENTAL MATERIALS, ANN ARBOR, MI 48109-1078 Nature of alloy systems for crown and bridge restorations (human).

R01DE-04897-05 (OBM) MARTINEZ, J RICARDO, UNIVERSITY OF MISSOURI, DEPT OF CHILD HEALTH, COLUMBIA, MO 65212 Functional development of salivary glands (rats).

P50DE-04898-09 (DSR) GENCO, ROBERT J, SUNY AT BUFFALO, 136 FOSTER HALL, BUFFALO, N Y 14214 Periodontal disease research center.

P50DE-04898-09 0001 (DSR) GENCO, ROBERT J. Periodontal disease research center--Oral microbiology (human).

P50DE-04898-09 0002 (DSR) GENCO, ROBERT J. Periodontal disease research center--Host response in periodontal disease (human).

P50DE-04898-09 0003 (DSR) GENCO, ROBERT J. Periodontal disease research center--Therapy and prevention of periodontal diseases (human).

R01DE-04903-06 (OBM) BYERS, BENJAMIN R, UNIV OF MISSISSIPPI MED CTR, 2500 NORTH STATE STREET, JACKSON, MISS 39216 Trace metal uptake in cariogenic Streptococcus mutans.

R01DE-04926-06 (OBM) MC INTIRE, FLOYD C, UNIVERSITY OF COLORADO MED CTR, 4200 EAST NINTH AVENUE, DENVER, COLO 80262 Bacterial coaggregation mechanisms in dental plaque.

RC1DE-04940-07 (OBM) VARGERVIK, KARIN, 747 MEDICAL SCIENCES BLDG, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, CALIF 94143 Muscular disorders in craniofacial malformations (human).

R01DE-04942-06 (NEUB) WESTRUM, LESNICK E, UNIVERSITY OF WASHINGTON, DEPT OF NEUROLOGICAL SURGERY, SEATTLE, WASH 98195 Teeth and trigeminal pathways (cats, primates).

R01DE-04960-07 (OBM) DENNY, PAUL C, UNIV OF SOUTHERN CALIFORNIA, SCHOOL OF DENTISTRY, LOS ANGELES, CA 90089-0641 Mechanisms of salivary gland development (mice, rabbits, rats).

R01DE-04961-06 (OBM) MINKIN, CEDRIC, UNIV OF SOUTHERN CALIFORNIA, SCHOOL OF DENTISTRY, LOS ANGELES, CA 90089-0641 Mechanisms of bone resorption in chronic periodontitis (mice).

R01DE-04970-07 (PBC) SCHWARTZ, STEPHEN A, THE UNIVERSITY OF CHICAGO, 5815 S. MARYLAND AVENUE, CHICAGO, ILL 60637 Nuclear composition and organization for odontogenesis (rats).

R01DE-04971-07 (OBM) LEVINE, MICHAEL J, S U N Y AT BUFFALO, 3435 MAIN STREET, BUFFALO, NY 14212 Salivary mucins and dental diseses (human).

R01DE-05017-06 (OBM) LINZER, ROSEMARY, STATE UNIVERSITY OF NEW YORK, 3435 MAIN STREET, BUFFALO, NY 14214 Characterization of surface antigens of S-mutans (hamsters, rabbits).

R01DE-05024-06 (OBM) IORIO, ROBERT J, MARQUETTE UNIVERSITY, 604 NORTH 16TH STREET, MILWAUKEE, WIS 53233 Craniofacial abnormalities in mice with vitamin D resistant rickets.

R01DE-05027-06 (OBM) YOTIS, WILLIAM W, LOYOLA UNIVERSITY OF CHICAGO, 2160 SOUTH FIRST AVENUE, MAYWOOD, ILL 60153 Binding of fluoride by cariogenic bacteria.

R01DE-05030-07 (OBM) MATHEW, MATHAI, AMERICAN DENTAL ASSN HLTH FDN, NATIONAL BUREAU OF STANDARDS, GAITHERSBURG MD 20899 Crystal chemistry of calcium phosphates (human, rats).

R01DE-05053-05 (OBM) KRISTOL, DAVID S, NEW JERSEY INSTITUTE OF TECH, 323 HIGH STREET, NEWARK, N J 07102 Blocked isocyanates for chemical bonding to dentin.

R01DE-05054-07 (OBM) RANNEY, RICHARD R, VIRGINIA COMMONWEALTH UNIV, BOX 566, MCV STATION, RICHMOND, VA 23298 Periodontal disease--Microbiological studies (human).

R01DE-05067-07 (OBM) GRON, POUL, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Interaction of topical fluoride with human enamel (rats, hamsters).

R01DE-05092-07 (OBM) BUTLER, WILLIAM T, UNIV OF ALABAMA IN BIRMINGHAM, UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Proteins involved in dentinogenesis.

R01DE-05102-07 (MBC) DOYLE, RONALD J, UNIVERSITY OF LOUISVILLE, LOUISVILLE, KY 40292 Potential anti-caries agents (rats).

R01DE-05129-08 (SSS) BOWEN, RAFAEL L, ADA HLTH FDN RESEARCH UNIT, AT NAT'L BUREAU OF STANDARDS, GAITHERSBURG, MD 20899 Improvement of preventive and restorative materials (monkeys).

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number

PROJECT NO. REVIEW GROUP INVESTIGATOR ADDRESS AND TITLE

P01DE-05130-06 (SSS) BONICA, JOHN J, DEPT OF ANESTHESIOLOGY RN-10 , UNIVERSITY OF WASHINGTON, SEATTLE, WA 98195 Dental/orofacial pain-Mechanisms behavior and modulation.

P01DE-05130-06 0005 (SSS) DONG, WILLIE K. Dental/orofacial pain--Mechanisms behavior and modulation--Near and far field evoked potentials and pain reactivity (cats, monkeys).

P01DE-05130-06 0006 (SSS) DWORKIN, SAMUEL F. Dental/orofacial pain--Mechanisms behavior and modulation--Acute pain in research and clinical settings (human).

P01DE-05130-06 0007 (SSS) CHAPMAN, RICHARD. Dental/orofacial pain--Mechanisms behavior and modulation--Electrical brain activity and orofacial pain in man.

P50DE-05139-08 (DSR) RANNEY, RICHARD R, VIRGINIA COMMONWEALTH UNIV, BOX 566, MCV STATION, RICHMOND, VA 23298 Clinical research center for periodontal disease.

P50DE-05139-08 0001 (DSR) RANNEY RICHARD R. Clinical research center for periodontal disease--Microbiology (human).

P50DE-05139-08 0002 (DSR) RANNEY, RICHARD R. Clinical research center for periodontal disease--Immunological investigations (human).

P50DE-05139-08 0003 (DSR) RANNEY, RICHARD R. Clinical research center for periodontal disease--Human genetics section.

R01DE-05144-06 (BM) JOHNSON, RUSSELL C, UNIVERSITY OF MINNESOTA, 420 DELAWARE STREET, S E, MINNEAPOLIS, MINN 55455 Periodontal disease--Role of spirochetes (rabbits).

R01DE-05159-07 (OBM) BYERS, MARGARET R, UNIVERSITY OF WASHINGTON, DEPARTMENT OF ANESTHESIOLOGY , SEATTLE, WASH 98195 Distribution and ultrastructure of dental innervation (rats, primates, dogs).

R01DE-05180-07 (OBM) DANEO-MOORE, LOLITA, TEMPLE UNIV SCHOOL OF MED, DEPT OF MICROBIOLOGY & IMMUNOL, PHILADELPHIA, PA 19140 Regulation of surface synthesis in Streptococcus mutans.

R01DE-05190-06 (OBM) MACKENZIE, IAN C, UNIVERSITY OF IOWA, COLLEGE OF DENTISTRY, IOWA CITY, IOWA 52242 Factors determining variation in adult oral mucosa (mice, rabbits).

R01DE-05204-05 (BPO) ROSENFELD, JOEL P, NORTHWESTERN UNIVERSITY, 2021 SHERIDAN ROAD, EVANSTON, ILL 60201 Operant neural control in trigeminal pain systems (rat).

R01DE-05210-06 (GMB) TOVERUD, SVEIN U UNIVERSITY OF NORTH CAROLINA , DENTAL RESEARCH CENTER, CHAPEL HILL, N C 27514 Acid phosphatases in developing bones and teeth (rabbits, rats).

R01DE-05215-07 (OBM) PROFFIT, WILLIAM R, U OF NO CAROLINA/CHAPEL HILL, CHAPEL HILL, NC 27514 Influences on stability following orthognathic surgerya (human).

R01DE-05232-07 (OBM) CARLSON, DAVID S, UNIVERSITY OF MICHIGAN, 1024 KELLOGG BUILDING, ANN ARBOR, MI 48109 Musculoskeletal adaptation to increased midfacial height (monkeys).

R01DE-05249-06 (OBM) WATSON, EILEEN L, UNIVERSITY OF WASHINGTON, SCHOOL OF DENTISTRY, SEATTLE, WASHINGTON 98195 Salivary secretion - role of calcium (mice).

R01DE-05251-06 (OBM) KELLER, PATRICIA J, UNIVERSITY OF WASHINGTON, DEPT OF ORAL BIOLOGY SB-22 , SEATTLE, WASH 98195 Salivary gland secretory mechanisms (rats).

R01DE-05253-06 (OBM) BRUDEVOLD, FINN, FORSYTH DENTAL CENTER, 140 THE FENWAY BOSTON, MASS 02115 Measurements of enamel permeability as related to caries (human).

R01DE-05255-06 (OBM) SAKAMOTO, SEIZABURO, HARVARD SCHOOL OF DENTAL MED , 188 LONGWOOD AVE, BOSTON MASS 02115 Regulation of collagenase and bone resorption (mice, chick embryo).

R01DE-05262-06 (OBM) ANDERSON, HARRISON C, UNIV OF KANSAS MEDICAL CENTER, RAINBOW BLVD AT 39TH, KANSAS CITY, KS 66103 Mineralization in oral biology (mice, rats).

R01DE-05289-07 (OBM) BAWDEN, JAMES W, DENTAL RESEARCH CENTER 210-H , UNIV OF NORTH CAROLINA, CHAPEL HILL, NC 27514 Uptake and binding by early enamel matrix (rats).

R01DE-05305-05 (BEM) MELAMED, BARBARA G, UNIVERSITY OF FLORIDA, BOX J-165, JHMHC, GAINESVILLE, FL 32610 Behavioral approaches to pain responses in pedodontics (children).

R01DE-05321-06 (OBM) GOLDBERG, A JON, UNIVERSITY OF CONNECTICUT, DEPT OF RESTORATIVE DENTISTRY , FARMINGTON, CONN 06032 Titanium alloys in dentistry.

R01DE-05323-04 (OBM) EISENMANN, DALE R, 801 S. PAULINA, BOX 6998, CHICAGO, IL 60680 Calcium ion interactions in developing dental tissues (rats).

R01DE-05334-05 (OBM) GOODSON, JO MAX, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MASS 02115 Periodontal therapy by controlled local drug delivery (human).

R01DE-05354-08 (SSS) CHOW, LAURENCE C, AMER DENTAL ASSOC HLTH FDN, NATIONAL BUREAU OF STANDARDS , GAITHERSBURG, MD 20899 Prevention of dental caries.

R01DE-05369-07 (NLS) LEVINE, JON D, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF MEDICINE, SAN FRANCISCO, CALIF 94143 Factors affecting dental postoperative pain (human).

R01DE-05379-05 (OBM) MOFFETT, BENJAMIN C, UNIVERSITY OF WASHINGTON, SCHOOL OF DENTISTRY, SEATTLE, WASH 98195 Morphogenesis and maturation of craniofacial sutures (animals).

R01DE-05395-06 (OBM) MACKENZIE, IAN C, UNIVERSITY OF IOWA, ROOM N409 DENTAL SCI BLDG, IOWA CITY, IOWA 52242 Stem cells in oral mucosa (mice).

R01DE-05396-05 (OBM) NANDA, RAVINDRA, UNIVERSITY OF CONNECTICUT, SCHOOL OF DENTAL MEDICINE, FARMINGTON, CONN 06032 Craniofacial adaptations after total maxillary osteotomy (monkeys).

R01DE-05404-07 (NLS) DOSTROVSKY, JONATHAN O, UNIVERSITY OF TORONTO, DEPARTMENT OF PHYSIOLOGY, TORONTO ONTARIO, CANADA Dental pain--Studies on trigeminal nucleus caudalis (cats).

R01DE-05410-06 (OBM) BOOKSTEIN, FRED L, UNIVERSITY OF MICHIGAN, 300 NORTH INGALLS BUILDING, ANN ARBOR, MICH 48109 Orthodontic treatment effects on craniofacial growth: (human).

R01DE-05413-06 (GMB) TEITELBAUM, STEVEN L, JEWISH HOSPITAL OF ST LOUIS , DEPARTMENT OF PATHOLOGY, ST LOUIS, MO 63110 Bone resorption in periodontal disease (human, rats, mice).

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number

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PROJECT NO. REVIEW GROUP INVESTIGATOR ADDRESS AND TITLE

R01DE-05418-06 (OBM) BRUNSKI, JOHN B, RENSSELAER POLYTECHNIC INST , DEPT OF BIOMEDICAL ENGINEERING, TROY, N Y 12181 In vivo forces on endosseous dental implants (dogs).

R01DE-05423-06 (OBM) O'BRIEN, WILLIAM J, UNIVERSITY OF MICHICAN, SCHOOL OF DENTISTRY, ANN ARBOR, MICH 48109 Diffuse reflectance by esthetic dental materials.

R01DE-05429-06 (OBM) CLARK, WILLIAM B, UNIVERSITY OF FLORIDA, BOX J-424, JHMHC, GAINESVILLE, FLA 32610 Adherence of periodontal disease-associated bacteria.

R01DE-05460-05 (OBM) PASK, JOSEPH A, UNIVERSITY OF CALIFORNIA, DEPT OF MATERIALS SCI MIN ENGR, BERKELEY, CALIF 94720 Bonding of dental porcelain to non-precious alloys.

R01DE-05476-05 (BNP) GOODMAN, MURRAY, DEPT OF CHEMISTRY, B-014, UNIV OF CALIFORNIA, SAN DIEGO , LA JOLLA, CA 92093 Novel peptide derived sweeteners.

R01DE-05494-06 (OBM) PABST, MICHAEL J, NATL JEWISH HOSP & RES CTR, 3800 EAST COLFAX AVENUE, DENVER, COLO 80206 Activation of macrophages in periodontal disease (mice).

R01DE-05497-04 (BEM) REISINE, SUSAN T, UNIVERSITY OF CONNECTICUT, DEPT OF BEHAVIORIAL SCIS, FARMINGTON, CONN 06032 Dental disease and work loss (human).

R01DE-05501-04 (OBM) HERZBERG, MARK C, UNIVERSITY OF MINNESOTA, 515 DELAWARE ST S E, MINNEAPOLIS, MINN 55455 Platelet-Streptococcal interactions in endocarditis (human, rabbits).

R01DE-05519-06 (OBM) BARAN, GEORGE R, TEMPLE UNIVERSITY, DEPT OF OPERATIVE DENTISTRY , PHILADELPHIA, PA 19140 Oxidation behavior of Ni-base crown and bridge alloys.

R01DE-05550-05 (OBM) GREENE, ROBERT M, JEFFERSON MEDICAL COLLEGE, DEPARTMENT OF ANATOMY, PHILADELPHIA, PA 19107 Differentiation during craniofacial embryogenesis (mice).

R01DE-05558-05 (OBM) MILLER, ARTHUR J, UNIVERSITY OF CALIFORNIA, 747 MEDICAL SCIENCES BLDG , SAN FRANCISCO, CALIF 94143 Sensory alterations of craniofacial form (monkeys).

R01DE-05563-05 (SSS) SCHNITMAN, PAUL A, HARVARD SCH OF DENTAL MEDICINE, 188 LONGWOOD AVENUE, BOSTON, MASS 02115 The blade implant--Clinical efficacy and safety (human).

R01DE-05574-05 (OBM) ALLEY, KEITH E, CASE WESTERN RESERVE UNIV, 2123 ABINGTON ROAD, CLEVELAND, OHIO 44106 Neural aspects of craniofacial morphogenesis (frogs).

R01DE-05586-05 (OBM) GARANT, PHILIAS R, S U N Y - AT STONY BROOK, ORAL BIOLOGY & PATHOLOGY DEPT , STONY BROOK, N Y 11794 Cell surface studies of the enamel organ (mice).

R01DE-05597-03 (MBC) REUSCH, VICTOR M, UNIVERSITY OF DENVER, DEPARTMENT OF BIOLOGICAL SCIS , DENVER, COLO 80208 Lipopolymers and Streptococcus sanguis wall assembly.

R01DE-05605-05 (OBM) KIM, SYNGCUK, COLUMBIA UNIVERSITY, 630 W 168TH ST, NEW YORK, N Y 10032 The humoral regulation of pulp circulation (rats, dogs).

R01DE-05606-05 (BM) FIVES-TAYLOR, PAULA M, UNIVERSITY OF VERMONT, GIVEN MEDICAL BUILDING, BURLINGTON, VT 05405 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits).

R01DE-05616-07 (CBY) JACOBSON, ANTONE G, UNIV OF TEXAS AT AUSTIN, DEPT OF ZOOLOGY, AUSTIN, TX 78712-1064 Matrix-cell interaction in craniofacial development (chick and quail embryos).

R01DE-05622-04 (BEM) SADOWSKY, DONALD, ROOM 3N34, JACOBI HOSPITAL, BRONX, N Y 10461 Rx for dental patients at risk for endocarditis (dentists).

R01DE-05623-03 (OBM) HAUSMANN, ERNEST, SUNY AT BUFFALO, 320 FOSTER HALL, BUFFALO, N Y 14214 Bacterial products and bone metabolism (rats).

R01DE-05626-05 (OBM) SCHENKEIN, HARVEY A, MEDICAL COLLEGE OF VIRGINIA , BOX 566 MCV STATION, RICHMOND, VA 23298 Role of complement in periodontal disease.

R01DE-05628-06 (NTN) CERKLEWSKI, FLORIAN L, OREGON STATE UNIVERSITY, COLLEGE OF HOME ECONOMICS, CORVALLIS, OR 97331-5103 Interaction between fluoride and other dietary minerals (rats).

R01DE-05630-05 (CBY) ERICKSON, CAROL A, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF ZOOLOGY, DAVIS, CALIF 95616 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice).

R01DE-05632-05 (OBM) CUTLER, LESLIE S, UNIVERSITY OF CONNECTICUT, SCHOOL OF DENTAL MEDICINE, FARMINGTON, CONN 06032 Development of salivary gland secretory function (rats).

R01DE-05636-03 (OBM) AVERY, JAMES K, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE , ANN ARBOR, MICH 48109 Cellular mediators in tooth maintenance and repair (rats).

R01DE-05637-03 (OBM) DRAUGHN, ROBERT A, MEDICAL UNIV OF SOUTH CAROLINA, 171 ASHLEY AVE, CHARLESTON, S C 29425 Mechanical properties of dental composite materials.

R01DE-05640-05 (OBM) HAMMOND, BENJAMIN F, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104 Cytotoxicity of periodontopathic bacteria (mice, rabbits).

R01DE-05666-05 (OBM) SLOMIANY, BRONISLAW L, NEW YORK MEDICAL COLLEGE, 1900 SECOND AVE, HOSP CTR, NEW YORK, N Y 10029 Biochemistry of salivary lipids (rats, human).

R01DE-05669-04 (OBM) POTTER, ROSARIO H, INDIANA UNIV SCH OF DENTISTRY, 1121 WEST MICHIGAN STREET, INDIANAPOLIS, IND 46202 Chorion type and dental morphology in twins (human).

R01DE-05672-03 (SSS) OPPENHEIM, FRANK G, BOSTON UNIVERSITY, 100 EAST NEWTON STREET, BOSTON, MASS 02118 Amonic salivary proteins in dental integuments (Macaca facicularis).

R01DE-05690-04 (OBM) LEBLOND, CHARLES P, MCGILL UNIVERSITY, 3640 UNIVERSITY STREET, MONTREAL QUEBEC CANADA H3A 2B2 Localization of the procollagens in dental tissues (rats, mice, rabbits).

R01DE-05695-03 (OBM) FALKLER, WILLIAM A, UNIVERSITY OF MARYLAND, 666 WEST BALTIMORE STREET, BALTIMORE, MD 21201 Immunopathologic study of dental pulpitis.

R01DE-05696-05 (OBM) STINSON, MURRAY W, S U N Y - AT BUFFALO, DEPARTMENT OF MICROBIOLOGY, BUFFALO, N Y 14214 Streptococcus mutans interaction with animal tissue (human, rabbits).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01DE-05728-04 (OBM) BRADLEY, ROBERT M, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE , ANN ARBOR, MICH 48109 Role of chemoreceptors in craniofacial function (lambs).

R01DE-05738-05 (OBM) CROMPTON, ALFRED W, HARVARD UNIVERSITY, MUSEUM OF COMPARATIVE ZOOLOGY , CAMBRIDGE, MASS 02138 Mastication, food transport, and swallowing in primates (cats, monkeys).

R01DE-05744-04 (BEM) KIYAK, H ASUMAN, UNIVERSITY OF WASHINGTON, DEPT OF COMMUNITY DENTISTRY , SEATTLE, WASH 98195 Psychosocial factors in orthognathic surgery (human).

R01DE-05761-06 (OBM) STANFORD, JOHN W, AMERICAN DENTAL ASSN HLTH FDN, 211 EAST CHICAGO AVENUE, CHICAGO, ILL 60611 Improved dental instruments and materials.

R01DE-05764-06 (CP) PUTNEY, JAMES W, MED COLL OF VIRGINIA, V C U , DEPARTMENT OF PHARMACOLOGY, RICHMOND, VA 23298 Cellular pharmacology of salivary secretion (rats, ducks).

R01DE-05766-03 (OBM) ALEO, JOSEPH J, TEMPLE UNIV SCH. OF DENTISTRY, 3223 NORTH BROAD STREET, PHILADELPHIA, PA 19140 Periodontal disease and diabetes--Effect of endotoxin (fibroblasts).

R01DE-05769-07 (OBM) ALEO, JOSEPH J, TEMPLE UNIVERSITY, 3223 NORTH BROAD STREET, PHILADELPHIA, PA 19140 Ultrastructure of tooth development (rats).

R01DE-05780-03 (OBM) DEUTSCH, DAN, HEBREW UNIVERSITY, DEPT OF ORAL BIOLOGY, JERUSALEM, ISRAEL Development and mineralization of enamel in teeth.

R01DE-05793-04 (PBC) HELSETH, DONALD L, NORTHWESTERN UNIVERSITY, 303 E CHICAGO AVE, CHICAGO, ILL 60611 Processing of procollagen to collagen (rabbit, chick embryo).

R01DE-05817-05 (OBM) BIRKEDAL-HANSEN, HENNING, UAB, SCHOOL OF DENTISTRY, UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Cellular mechanisms of collagen breakdown (human, animals).

R23DE-05827-03 (OBM) WAYLER, ALAN H, HARVARD SCHOOL OF DENTAL MED , 188 LONGWOOD AVENUE, BOSTON, MASS 02115 Modifying effects of saliva and age on taste perception.

P01DE-05837-05 (SSS) MORRIS, HUGHLETT L, UNIVERSITY OF IOWA, DEPARTMENT OF OTOLARYNGOLOGY , IOWA CITY, IOWA 52242 Growth, surgical, and speech aspects of cleft palate.

P01DE-05837-05 0001 (SSS) D R VAN DEMARK. Growth, surgical, and speech aspects of cleft palate--Speech pathology (human).

P01DE-05837-05 0002 (SSS) C R KREMENAK. Growth, surgical, and speech aspects of cleft palate--Maxillofacial growth (dogs).

P01DE-05837-05 0003 (SSS) J B MOON. Growth, surgical, and speech aspects of cleft palate--Speech physiology (human).

P01DE-05837-05 0004 (SSS) J BARDACH. Growth, surgical, and speech aspects of cleft palate--Cleft lip and palate surgery (human, animals).

P01DE-05837-05 0005 (SSS) RICHMAN, L C. Growth, surgical, and speech aspects of cleft palate--Psychoeducation project (human).

R01DE-05838-06 (CBY) TOOLE, BRYAN P, TUFTS UNIVERSITY, 136 HARRISON AVENUE, BOSTON, MA 02111 Morphogenetic role of glycosaminoglycans (chick embryo).

R01DE-05839-03 (OBM) PHILLIPS, RALPH W, INDIANA UNIVERSITY, 1121 WEST MICHIGAN STREET, INDIANAPOLIS, IND 46202 In vivo vs in vitro cement solubility--Correlative study.

R01DE-05843-03 (RAD) GIBBS, S JULIAN, VANDERBILT UNIVERSITY, DEPT OF RAD AND RADIOL SCIS , NASHVILLE, TENN 37232 Patient radiation doses and risks from dental x-ray.

R01DE-05844-03 (RAD) PUJOL, ALFONSO, UNIVERSITY OF TENNESSEE, DEPARTMENT OF ENGINEERING, TULLAHOMA, TENN 37388-8897 Patient radiation doses and risks from dental x-ray.

R01DE-05881-03 (HED) WATERMAN, ROBERT E, UNIVERSITY OF NEW MEXICO, DEPARTMENT OF ANATOMY, ALBUQUERQUE, N MEX 87131 Epithelial fusions during craniofacial development (chicks, frogs and hamsters).

R01DE-05890-03 (SSS) LOZADA, FRANCINA, UNIVERSITY OF CALIFORNIA, SCHOOL OF DENTISTRY, SAN FRANCISCO, CALIF 94143 Prednisone efficacy in oral inflammatory disease (human).

R23DE-05893-03 (OBM) TABAK, LAWRENCE A, SUNY AT BUFFALO, 213 FOSTER HALL, BUFFALO, N Y 14214 Structural modulation of enamel pellicle formation.

R01DE-05895-03 (OBM) BROWN, ARTHUR C, OREGON HEALTH SCIENCES UNIV , DEPT OF PHYSIOLOGY & BIOPHYSIC, PORTLAND, OREG 97201 Tooth sensation (human).

R01DE-05905-04 (OBM) HERRING, SUSAN W, UNIVERSITY OF ILLINOIS, 801 SOUTH PAULINA STREET, CHICAGO, ILL 60612 Neural organization of complex muscles (swine).

R01DE-05913-03 (BEM) WEINSTEIN, PHILIP, UNIVERSITY OF WASHINGTON, DEPT OF COMMUNITY DENTISTRY , SEATTLE, WASH 98195 Experiments in management of fearful children (human).

R01DE-05916-03 (OBM) CLEWELL, DON B, UNIVERSITY OF MICHIGAN, SCHOOL OF DENTISTRY, ANN ARBOR, MICH 48109 Streptococcal cell surface polymers and adherence (rabbits).

R01DE-05932-05 (OBM) BOYAN, BARBARA D, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX 78284 The role of lipoproteins in microbial calcification.

R01DE-05937-05 (ORTH) BOYAN, BARBARA D, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX 78284 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken).

R01DE-05945-04 (OBM) STUPP, SAMUEL I, UNIV OF ILLINOIS URBANA-CHAMPA, 105 SOUTH GOODWIN AVENUE, URBANA, IL 61801-2995 Physicochemical modifications of dental restoratives.

R23DE-05953-03 (OBM) LAMSTER, IRA B, FAIRLEIGH DICKINSON UNIVERSITY, 110 FULLER PLACE, HACKENSACK, N J 07601 Polymorphonuclear leukocyte enzymes as immune modifiers in periodontal disease (h.

R01DE-05956-05 (BIO) WAITE, JOHN H, UNIVERSITY OF CONNECTICUT, DEPARTMENT OF ORTHOPAEDICS, FARMINGTON, CONN 06032 The adhesive of Mytilus byssus.

R01DE-05966-04 (MBC) JACOBSON, GARY R, BOSTON UNIVERSITY, 2 CUMMINGTON ST., BOSTON, MA 02215 Mechanisms of sugar transport in streptococcus mutans.

R23DE-05967-03 (OBM) OFFENBACHER, STEVEN, EMORY UNIVERSITY, 1462 CLIFTON ROAD, N E, ATLANTA, GA 30322 Role of protaglandin E in periodontal disease activity (human).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01DE-05978-03 (OBM) ALAM, SYED Q, LSU MEDICAL CENTER, 1100 FLORIDA AVENUE, NEW ORLEANS, LA 70119 Lipid nutrition, membrane fluidity and enzymes (rats).

R01DE-05980-02 (OBM) CRAIG, ROBERT G, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE , ANN ARBOR, MICH 48109 Stress analysis of mandibular partial dentures.

R01DE-05989-04 (BEM) DOHRENWEND, BRUCE P, COLUMBIA UNIVERSITY, 100 HAVEN AVENUE, NEW YORK, NEW YORK 10032 Myofascial pain-dysfunction syndrome and life stress (human).

R01DE-05990-02 (OBM) BRIDGES, RAYMOND B, UNIV OF KENTUCKY MED CTR, DEPARTMENT OF ORAL BIOLOGY, LEXINGTON, KY 40536 Periodontitis, leukocyte function and diabetic status (human).

R01DE-05991-05 (OBM) BIRDSELL, DALE C, UNIVERSITY OF WASHINGTON, DEPT OF ORAL BIOLOGY HSB SB-22, SEATTLE, WASH 98195 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice).

R01DE-05996-04 (OBM) MARKS, SANDY C, JR, UNIVERSITY OF MASSACHUSETTS , 55 LAKE AVENUE NORTH, WORCESTER, MASS 01605 Alveolar bone metabolism during tooth eruption (dogs).

R01DE-06000-05 (OBM) JOHNSON, DORTHEA A, UNIV OF TEXAS HLTH SCI CTR, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX 78284 Effect of parotid function on saliva and cells (rats).

R01DE-06007-03 (OBM) MILLER, SCOTT C, UNIVERSITY OF UTAH, DEPARTMENT OF RADIOBIOLOGY, SALT LAKE CITY, UTAH 84112 Periodontal tissue changes during pregnancy-lactation (rats).

R01DE-06014-04 (OBM) SHENKER, BRUCE J, UNIVERSITY OF PENNSYLVANIA, 4010 LOCUST STREET, PHILADELPHIA, PA 19104 Bacteria and lymphocyte suppression in periodontitis (mice, rats).

R01DE-06027-04 (OBM) CAPRA, NORMAN F, UNIVERSITY MEDICAL CENTER, 2500 NORTH STATE STREET, JACKSON, MISS 39216 Kinesthetic mechanisms in the trigeminal system (cats).

R01DE-06028-02 (OBM) BIRKEDAL-HANSEN, HENNING, UNIV OF ALABAMA IN BIRMINGHAM, UNIV OF ALA SCH OF DENTISTRY , BIRMINGHAM, ALA 35294 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats).

R01DE-06030-04 (OBM) LOESCHE, WALTER J, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE , ANN ARBOR, MICH 48109 Metronidazole therapy in periodontal disease (human).

R01DE-06031-03 (MBC) SELANDER, ROBERT K, UNIVERSITY OF ROCHESTER, RIVER STATION, ROCHESTER, N Y 14627 Population genetics of the Streptococcus mutans complex (human).

R23DE-06033-03 (OBM) KRIBBS, PATRICIA J, DEPT OF PROSTHODONTICS SM52 , UNIVERSITY OF WASHINGTON, SEATTLE, WASH 98195 Osteoporosis and oral changes in older women.

R01DE-06039-03 (OBM) EHRLICH, JULIAN, UNIV OF MED/DENT OF NEW JERSEY, NEW JERSEY DENTAL SCHOOL, NEWARK, N J 07103 Properties of lipoteichoic acids from cariogenic bacteria.

R23DE-06040-03 (OBM) MANDELLA, ROSEMARY D, FAIRLEIGH DICKINSON UNIVERSITY, 110 FULLER PLACE, HACKENSACK, N J 07601 Polyamines and palatal development (rabbits).

R01DE-06043-03 (OBM) LEVIN, LESLIE S, JOHNS HOPKINS HOSPITAL, 600 NORTH WOLFE STREET, BALTIMORE, MD 21205 Congenitally missing teeth (human).

R01DE-06051-04 (OBM) BLEIWEIS, ARNOLD S, UNIVERSITY OF FLORIDA, DEPT OF MICROBIOLOGY/CELL SCIS, GAINESVILLE, FLA 32611 Membranes of the dental pathogen Streptococcus mutans (rabbits).

R01DE-06065-05 (OBM) SCHNEIDER, GARY B, LOYOLA UNIVERSITY OF CHICAGO , 2160 SOUTH FIRST AVENUE, MAYWOOD, ILL 60153 The role of lymphoid cells in alveolar bone resorption (rats).

R23DE-06066-03 (OBM) COX, DONALD S, S U N Y - AT STONY BROOK, DEPARTMENT OF PERIODONTICS, STONY BROOK, N Y 11794 Orally induced suppression in periodontal disease (rabbits, rats).

R01DE-06069-03 (EDC) CHUNG, CHIN S, UNIVERSITY OF HAWAII AT MANOA, 1960 EAST-WEST ROAD, HONOLULU, HAWAII 96822 A genetic study of cleft lip and cleft palate in Hawaii.

R01DE-06070-03 (OBM) WALKER, CLAY B, UNIVERSITY OF FLORIDA, DEPT OF BASIC DENTAL SCIENCES , GAINESVILLE, FLA 32610 Antibiotic susceptibilities of periodontal bacteria.

R01DE-06071-02 (MBC) ROSEN, BARRY P, UNIVERSITY OF MARYLAND, 660 W REDWOOD STREET, BALTIMORE, MD 21201 Calcium metabolism in Streptococcus mutans.

R01DE-06076-03 (OBM) CHEN, SOW-YEH, TEMPLE UNIVERSITY, 3223 NORTH BROAD STREET, PHILADELPHIA, PA 19140 Pathobiology of oral mucosa (rabbits).

R01DE-06082-03 (OBM) PERRY, DENNIS, NORTHWESTERN UNIVERSITY, 303 E CHICAGO AVE, CHICAGO, ILL 60611 Genetic analysis of streptococcus mutans cariogenicity.

R01DE-06085-03 (SSS) LISTGARTEN, MAX A, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104 Interaction of oral spirochetes with periodontal tissues (human, rats).

R23DE-06091-03 (OBM) FEIGAL, ROBERT J, HS UNIT A 6-150, UNIVERSITY OF MINNESOTA, MINNEAPOLIS, MN 55455 Primary human cells--A model for materials testing (tissue culture).

R01DE-06103-03 (OBM) KALDAHL, WAYNE B, UNMC COLLEGE OF DENTISTRY, 40TH & HOLDREGE, LINCOLN, NE 68583-0740 Evaluation of four modalities of periodontal therapy.

R01DE-06105-03 (OBM) KATZ, SIMON, ORAL HLTH RESEARCH INSTITUTE , 415 LANSING STREET, INDIANAPOLIS, IND 46202 Using fluoride-chlorhexidine to prevent radiation caries (human).

R01DE-06112-05 (OBM) MERTZ-FAIRHURST, EVA J, MEDICAL COLLEGE OF GEORGIA, 1120 FIFTEENTH STREET, AUGUSTA, GA 30912 Filled sealant as a conservative restorative material (human).

R01DE-06113-05 (OBM) WHITFORD, GARY M, MEDICAL COLLEGE OF GEORGIA, DEPT OF ORAL BIOLOGY, AUGUSTA, GA 30912 Determinants of fluoride in the oral environment (dogs, rats).

R01DE-06115-02 (OBM) DOWD, FRANK J, CREIGHTON UNIV MEDICAL SCHOOL, CALIFORNIA @ 24TH STREET, OMAHA, NEBR 68178 Protein phosphorylation in parotid gland secretion (rabbits).

R23DE-06118-03 (OBM) BLAUSTEIN, DAVID I, UNIV OF ILLINOIS AT CHICAGO , P O BOX 6998, CHICAGO, ILL 60680 Acquired defects of the jaw joint (TMJ)--A model system (chickens, rabbits).

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01DE-06127-03 (OBM) MARQUIS, ROBERT E, UNIVERSITY OF ROCHESTER, 601 ELMWOOD AVENUE, ROCHESTER, N Y 14642 Acid-base physiology of oral streptococci.

R01DE-06128-02 (BNP) PIETRZYK, DONALD J, DEPT OF CHEMISTRY, UNIVERSITY OF IOWA, IOWA CITY, IA 52242 Synthesis-testing of a herpesvirus antiviral agent.

R23DE-06130-03 (OBM) HURLEY, THOMAS W, UNIVERSITY OF MISSOURI, 807 STADIUM ROAD, COLUMBIA, MO 65212 Calmodulin and submandibular gland secretion (rats).

R01DE-06153-04 (OBM) SMITH, DANIEL J, DEPARTMENT OF IMMUNOLOGY, FORSYTH DENTAL CENTER, BOSTON, MASS 02115 Antibody to glucosyltransferase in adults and children.

R01DE-06154-03 (BEM) ALBINO, JUDITH E, DEPARTMENT OF BEHAVIORAL SCIS, 246C FARBER HALL, BUFFALO, N Y 14214 Effects of orthodontia on psychosocial functioning (human).

R23DE-06157-03 (OBM) AKER, FRANKLIN D, TEMPLE UNIVERSITY, 3223 NORTH BROAD ST, PHILADELPHIA, PA 19140 Innervation of the tooth (rats).

R01DE-06159-03 (PC) SCHLESINGER, DAVID H, NEW YORK UNIVERSITY MED CENTER, 550 FIRST AVENUE, NEW YORK, N Y 10016 Protein inhibitors of calcium phosphate precipitation (human, mammals).

R01DE-06165-03 (OBM) CHO, MOON I, SUNY AT STONY BROOK, DEPT OF ORAL BIOLOGY, STONY BROOK, N Y 11794 Cell biology of periodontal ligament fibroblast.

R01DE-06170-03 (OBM) RAWLS, HENRY R, LOUISIANA STATE UNIVERSITY, 1100 FLORIDA AVENUE, NEW ORLEANS, LA 70119 Radiopaque restorative and prosthetic dental resins.

R01DE-06175-03 (OBM) WALKER, CLAY B, UNIVERSITY OF FLORIDA, COLLEGE OF DENTISTRY, GAINESVILLE, FL 32610 Beta-lactamases produced by periodontal bacteria.

R01DE-06179-03 (OBM) CABASSO, ISRAEL, STATE UNIVERSITY OF NEW YORK , SYRACUSE CAMPUS, SYRACUSE, N Y 13210 Radiopaque restorative and prosthetic dental resins.

R01DE-06185-02 (OBM) SCHNEYER, CHARLOTTE A, UNIV OF ALABAMA AT BIRMINGHAM, UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Sympathectomized salivary glands--Cystic fibrosis model (rats).

R01DE-06193-03 (NEUB) CHANDLER, SCOTT H, UNIVERSITY OF CALIFORNIA, 405 HILGARD AVENUE, LOS ANGELES, CALIF 90024 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs).

R01DE-06201-01 (OBM) TURNER, DEREK T, DENTAL RESEARCH CENTER 210-H , U OF N CAROLINA AT CHAPEL HILL, CHAPEL HILL, NC 27514 Water sorption of glassy dental polymers.

R23DE-06207-02 (BEM) SCHUBOT, DAVID B, CWRU SCHOOL OF DENTISTRY, 2123 ABINGTON ROAD, CLEVELAND, OHIO 44106 Patient response to student dentists affective behavior.

R23DE-06208-02 (BEM) CHAPKO, MICHAEL K, UNIVERSITY OF WASHINGTON, DEPT / COMMUNITY DENTISTRY, SEATTLE, WASH 98195 Preventive services adoption in private dental practices.

R01DE-06216-03 (OBM) JOHNSTON, MALCOLM C, U OF N CAROLINA AT CHAPEL HILL, SCHOOL OF DENTISTRY, CHAPEL HILL, NC 27514 Gene-environment interactions in cleft lip mice (monkeys).

R01DE-06219-03 (BEM) DWORKIN, SAMUEL F, UNIVERSITY OF WASHINGTON, DEPARTMENT OF ORAL MEDICINE , SEATTLE, WASH 98195 Facial behavior related to acute dental pain (human).

R23DE-06222-03 (OBM) THIBODEAU, EDWARD A, UNIVERSITY OF ROCHESTER, 601 ELMWOOD AVENUE, ROCHESTER, NY 14642 Weak acid inhibition of oral bacteria (human).

R01DE-06231-03 (OBM) MC ARTHUR, WILLIAM P, UNIVERSITY OF FLORIDA, BOX J-424, GAINESVILLE, FLA 32610 Monoclonal antibody analysis of plaque microorganisms (mice).

R23DE-06243-03 (HED) NICHOLS, DAVID H, CREIGHTON UNIVERSITY, DEPARTMENT OF ANATOMY, OMAHA, NEB 68178 The extracellular matrix in neural crest formation (mice, chick, rat).

R01DE-06250-03 (OBM) BOWERS, GERALD M, UNIVERSITY OF MARYLAND, 666 WEST BALTIMORE STREET, BALTIMORE, MD 21201 Histologic evaluation of new attachments in humans.

R03DE-06272-02 (DSR) PAULSON, RUTH B, OHIO STATE UNIVERSITY, 305 WEST 12TH AVENUE, COLUMBUS, OH 43210 Oxygen and sodium valproate induced craniofacial defects (mice).

R01DE-06294-04 (BEM) HIRSCHMAN, RICHARD, KENT STATE UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, KENT, OHIO 44242 Effects of physiological feedback on dental fear (human).

R01DE-06300-03 (OBM) SPECTOR, MYRON, EMORY UNIVERSITY, 69 BUTLER STREET SE, ATLANTA, GA 30303 porous polyethylene and porous polysulfone tooth roots (monkeys).

R03DE-06364-02 (DSR) GREGORY, STEPHEN H, MARQUETTE UNIVERSITY, 604 NORTH 16TH STREET, MILWAUKEE, WIS 53233 Endotoxin-macrophage cell interaction in bone resorption (mice).

R01DE-06373-03 (OBM) IZUTSU, KENNETH T, UNIVERSITY OF WASHINGTON, DEPARTMENT OF ORAL BIOLOGY, SEATTLE, WASH 98195 Saliva formation studied by microprobe analysis (rats).

R01DE-06374-04 (OBM) FAIRHURST, CARL W, MEDICAL COLLEGE OF GEORGIA, SCHOOL OF DENTISTRY, AUGUSTA, GA 30912 Semi- and nonprecious metal-procelain systems.

R01DE-06379-03 (OBM) GRATT, BARTON M, UNIVERSITY OF CALIFORNIA, CENTER FOR THE HEALTH SCIENCES, LOS ANGELES, CALIF 90024 Dental xeroradiography--Clinical investigaiton.

R01DE-06395-03 (OBM) ROSAN, BURTON, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PENN 19104 Molecular basis of the ecology of oral streptococci.

R01DE-06397-03 (OBM) GREENE, ROBERT M, JEFFERSON MEDICAL COLLEGE, 1020 LOCUST STREET, PHILADELPHIA, PA 19107 Biochemical aspects of orofacial development.

R01DE-06402-03 (OBM) CLARKSON, BRIAN H, UNIVERSITY OF IOWA, COLLEGE OF DENTISTRY, IOWA CITY, IOWA 52242 Root caries--An in vitro model system.

R01DE-06409-03 (OBM) GETTLEMAN, LAWRENCE, GULF SOUTH RES INST, 5010 LEROY JOHNSON DRIVE, NEW ORLEANS, LA 70126 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human).

R01DE-06417-02 (BEM) WEINSTEIN, PHILIP, COMMUNITY DENTISTRY SM-35, B-509 HEALTH SCIENCES CENTER , SEATTLE, WASH 98195 Factors influencing long-term oral self-care (human).

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R01DE-06418-03 (OBM) LEVERETT, DENNIS H, EASTMAN DENTAL CENTER, 625 ELMWOOD AVENUE, ROCHESTER, N Y 14620 Laboratory and clinical studies of dental fluorosis.

R01DE-06420-02 (OBM) HARTMANN, ERNEST L, LEMUEL SHATTUCK HOSPITAL, 170 MORTON STREET, JAMAICA PLAIN, MASS 02130 Alcohol effects on bruxism (nocturnal tooth grinding).

R01DE-06424-01 (OBM) ALVAREZ, JOSE O, UNIVERSITY OF ALABAMA, BIRMINGHAM, AL 35294 Development of oral tissues after early undernutrition (human).

R01DE-06425-02 (OBM) SLAVKIN, HAROLD C, UNIV OF SOUTHERN CALIFORNIA , UNIVERSITY PARK MC 0191, LOS ANGELES, CA 90089-0191 Nutritional studies of tooth development in vitro (mice, rats).

R01DE-06426-02 (OBM) VAN DER SPIEGEL, JAN, UNIVERSITY OF PENNSYLVANIA, 200 S 33RD STREET, PHILADELPHIA, PA 19104 Intra-oral telemetry of plaque pH and calcium (human).

R01DE-06427-04 (OBM) PASHLEY, DAVID H, MEDICAL COLLEGE OF GEORGIA, SCHOOL OF DENTISTRY, AUGUSTA, GA 30912 Permeability characteristics of dentin (dogs, human).

R01DE-06429-04 (OBM) WHITFORD, GARY M, MEDICAL COLLEGE OF GEORGIA, RESEARCH INSTITUTE, INC., AUGUSTA, GA 30912 Influence of acid-base status on fluoride metabolism (mammals).

R01DE-06436-04 (OBM) VAN DYKE, THOMAS E, EMORY UNIVERSITY, 1462 CLIFTON RD, N E, ATLANTA, GA 30322 Periodontosis--Characterization of the neutrophil defect (human).

R01DE-06437-03 (EDC) HUNT, RONALD, UNIVERSITY OF IOWA, COLL OF DENT/ DEPT OF PREV/CMTY, IOWA CITY, IA 52242 Incidence and prevalence of root caries in the elderly (human).

R03DE-06446-02 (DSR) RANLY, DON M, UNIV OF TEXAS HLTH SCI CENTER, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX 78284 Bifunctional reagents as alternatives to formocresol (rats, dogs, rabbits).

R03DE-06475-02 (DSR) BARNETT, JOHN M, UNIVERSITY OF MISSISSIPPI, 2500 NORTH STATE STREET, JACKSON, MISS 39216 Automated immunofluorescent speciation of oral bacteria (rabbits).

R01DE-06485-02 (OBM) STOTT, GEORGE G, TEXAS A&M UNIVERSITY, DEPT OF VETERINARY ANATOMY, COLLEGE STATION, TEX 77843 Cemental annulation--Aging in forensic dentistry (human).

R03DE-06486-02 (DSR) DUKE, PAULINE J, UNIVERSITY OF TEXAS, P O BOX 20068, HOUSTON, TEX 77225 Microsphere binding to palatal glycoproteins.

R03DE-06489-01 (DSR) KLEIN, ROBERT M, KANSAS COLLEGE HLTH SCIS/HOSP, 39TH & RAINBOW BLVD, KANSAS CITY, KANS 66103 Autonomic receptor localization in salivary glands (rats).

R03DE-06505-02 (DSR) BUCHANAN, JUDITH A, UMC SCHOOL OF DENTISTRY, 2500 NORTH STATE STREET, JACKSON, MS 39216 Phenytoin-induced nuclear alterations in fibroblasts.

R01DE-06511-03 (OBM) HARPER, JEFFREY F, UNIVERSITY OF TEXAS, P O BOX 20708, HOUSTON, TEX 77225 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats).

R01DF-06514-04 (SRC) GENCO, ROBERT J, SUNY AT BUFFALO, 135 FOSTER HALL, BUFFALO, N Y 14214 Oral diseases and diabetes in the Gila River Indian Community.

R01DE-06516-03 (OBM) PETERSON, DOUGLAS E, UNIVERSITY OF MARYLAND, 666 W BALTIMORE STREET, BALTIMORE, MD 21201 Oral infection in myelosuppressed cancer patients.

R01DE-06519-01 (OBM) SVARE, CARL W, IOWS INST FOR DENTAL RESEARCH, THE UNIVERSITY OF IOWA, IOWA CITY, IA 52242 Dental amalgams contribution to blood mercury levels.

R01DE-06521-02 (BEM) CROOG, SYDNEY H, UNIVERSITY OF CONNECTICUT, DEPT OF BEHAVIORAL SCIENCES , FARMINGTON, CONN 06032 Behavioral response enhancement after periodontal surgery (human).

R23DE-06522-03 (OBM) BOYER, E MARCIA, UNIVERSITY OF IOWA, COLLEGE OF DENTISTRY, IOWA CITY, IOWA 52242 Schooling and work setting--Effects on dental hygienists.

R23DE-06524-02 (OBM) ALLEN, CARL M, OHIO STATE UNIVERSITY, 305 WEST 12TH AVE, COLUMBUS, OHIO 43210 The pathogenesis of chronic oral candidiasis in the rat.

R01DE-06528-03 (OBM) RHOADES, ROBERT W, SCH OF OSTEOPATHIC MEDICINE , P O BOX 55, PISCATAWAY, N J 08854 Trigeminal primary afferent organization and development (rats).

R01DE-06533-03 (OBM) GOLUB, ELLIS E, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104 Vesicles and endochondral bone formation (chickens).

R01DE-06539-03 (OBM) OKABE, TORU, BAYLOR COLLEGE OF DENTISTRY , 3302 GASTON AVE., DALLAS TX 75246 Breakdown of amalgam margins--A microstructural study.

R01DE-06541-03 (OBM) MAGUIRE, JAMES H, UNIV OF NORTH CAROLINA, SCHOOL OF PHARMACY, CHAPEL HILL, NC 27514 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human).

R03DE-06544-01 (DSR) DOCHERTY, JOHN J, PENNSYLVANIA STATE UNIVERSITY, 101 SOUTH FREAR LABORATORY, UNIVERSITY PARK, PA 16802 Incidence of herpes simplex virus type 2 in oral lesions (human).

R23DE-06546-02 (BEM) LOMBARDO, THOMAS W, UNIVERSITY OF MISSISSIPPI, UNIVERSITY, MISS 38677, UNIVERSITY, MISS 38677 Assessment and treatment of mandibular pain-dysfunction (human).

R01DE-06551-02 (OBM) COGEN, RONALD B, UNIV OF ALABAMA AT BIRMINGHAM, SCHOOL OF DENTISTRY, BIRMINGHAM, ALABAMA 35294 Stress, host factors, and acute necrotizing gingivitis (human).

R01DE-06552-04 (OBM) FOX, JEFFREY L, UNIVERSITY OF UTAH, COLLEGE OF PHARMACY, SALT LAKE CITY, UTAH 84112 Hydroxyapatite remineralization--The role of fluoride.

R01DE-06553-03 (OBM) CHEPENIK, KENNETH P, THOMAS JEFFERSON UNIVERSITY , 1020 LOCUST STREET, PHILADELPHIA, PA 19107 Arachidonate metabolism and orofacial development (mice).

R23DE-06554-03 (OBM) CUSICK, CATHERINE G, VANDERBILT UNIVERSITY, DEPARTMENT OF PSYCHOLOGY, NASHVILLE, TENN 37240 Organization of cortical tooth representations (monkeys).

R01DE-06555-03 (OBM) DI RIENZO, JOSEPH M, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104 Cell surface interactions of oral plaque bacteria (rabbits).

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01DE-06556-03 (OBM) TELSER, ALVIN G, NORTHWESTERN UNIVERSITY, 303 E CHICAGO AVENUE, CHICAGO, IL 60611 Oral epithelium structural proteins (rabbits).

R01DE-06557-02 (OBM) FEATHERSTONE, JOHN D, EASTMAN DENTAL CENTER, 625 ELMWOOD AVENUE, ROCHESTER, N Y 14620 Effects of barium on human enamel and dental caries (rats).

R23DE-06562-02 (HSR) GREMBOWSKI, DAVID E, UNIVERSITY OF WASHINGTON, DEPT / COMMUNITY DENTISTRY, SEATTLE, WASH 98195 Fluoridation effects on dental demand (human).

R01DE-06563-03 (OBM) MARSHALL, GRAYSON W, NORTHWESTERN UNIVERSITY, 311 EAST CHICAGO AVENUE, CHICAGO, ILL 60611 Microstructure vs. deterioration of amalgam restorations.

R01DE-06564-04 (OBM) SILVERSTONE, LEON M, UNIV OF COLORADO HLTH SCIS, DENTAL SCHOOL, DENVER, COLORADO 80262 Remineralization of enamel caries in vitro (human).

R01DE-06569-04 (OBM) HIGUCHI, WILLIAM I, UNIVERSITY OF UTAH, DEPT OF PHARMACEUTICS, SALT LAKE CITY, UTAH 84112 Quantitation of enamel demineralization mechanisms.

R01DE-06570-04 (BEM) PEETSCHUK, MICHAEL J, THE GRADUATE HOSPITAL, ONE GRADUATE PLAZA, PHILADELPHIA, PA 19146 Psychosocial evaluation of craniofacial patients.

R03DE-06572-01 (DSR) NAIR, CHERUKANTATH N, MEDICAL COLLEGE OF GEORGIA, DEPT OF CELL & MOLECULAR BIOL , AUGUSTA, GA 30912 Isolation of herpes simplex virion attachment protein.

R03DE-06582-01 (DSR) KIM, SUN-KEE, VA MEDICAL CENTER, RESEARCH SERVICE, ANN ARBOR, MICH 48105 Cell-free synthesis of preamylase rat parotid mRNA.

R01DE-06585-03 (OBM) TURNER, DENNIS F, UNIVERSITY OF MICHIGAN, 1011 N UNIVERSITY AVENUE, ANN ARBOR, MICH 48109 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys).

R03DE-06605-02 (DSR) MC ARTHUR, WILLIAM P, UNIVERSITY OF FLORIDA, DEPT OF BASIC DENTAL SCIENCES , GAINESVILLE, FLA 32610 Modulation of leukocyte functions by dental related metals (human).

R23DE-06618-02 (OBM) WESTBURY, JOHN R, UNIVERSITY OF NORTH CAROLINA , DENTAL RES CENTER 210-H, CHAPEL HILL, N C 27514 Properties of motor units in human mandibular muscles.

R01DE-06622-02 (OBM) HUSSAIN, M Z, UNIVERSITY OF CALIFORNIA, DEPT OF STOMATOLOGY, SAN FRANCISCO, CA 94143 Molecular mechanisms of periodontal disease.

R01DE-06624-03 (OBM) MUNDY, GREGORY R, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX 78284 OAF synthesis in periodontal disease (human).

R01DE-06632-03 (OBM) NODEN, DREW M, CORNELL UNIVERSITY, DEPARTMENT OF ANATOMY, ITHACA, N Y 14853 Origin and patterning of head muscles, bones and nerves (quail, chick embryos).

R01DE-06634-02 (OBM) FURNAS, DAVID W, UNIVERSITY OF CALIFORNIA, 101 CITY DRIVE SOUTH, ORANGE, CALIF 92668 Cyclosporine in craniofacial composite tissue allografts (human, mammals).

R01DE-06635-03 (CBY) BALL, WILLIAM D, HOWARD UNIVERSITY, 520 W STREET, NW RM 1105, WASHINGTON, D C 20059 Tissue interactions and salivary cytodifferentiation (rats, rabbits).

R01DE-06638-02 (OBM) KAPUR, KRISHAN K, VA MEDICAL CENTER, 16111 PLUMMER STREET, SEPULVEDA, CA 91343 Complete denture service psychophysiological criteria.

R23DE-06640-03 (OBM) WILSON, MARK E, S U N Y AT BUFFALO, B36 FOSTER HALL, BUFFALO, NY 14214 Neutrophil defects induced by oral bacterial products.

R01DE-06643-03 (OBM) FANGER, MICHAEL W, DARTMOUTH MEDICAL SCHOOL, DEPT. OF MICROBIOLOGY, HANOVER, N H 03756 Role of IgA and PMNs in defense of periodontal tissues (mice, rabbits, rats).

R01DE-06644-03 (OBM) GERMAINE, GREG R, UNIVERSITY OF MINNESOTA, 515 DELAWARE STREET, SE., MINNEAPOLIS, MINN 55455 Physiology of oral bacteria--Sugar, PH and F relations.

R01DE-06645-03 (IMB) ENGEL, DAVID, UNIVERSITY OF WASHINGTON, DEPT OF PERIODONTICS, SM-44 , SEATTLE, WASH 98195 Genetic regulation of B cell replication and function (mice).

R01DE-06656-03 (OBM) MC CAUL, KEVIN D, NORTH DAKOTA STATE UNIV, DEPT OF PSYCHOLOGY, FARGO, ND 58105 Promoting adherence to a dental regimen.

R01DE-06665-03 (NEUB) CLARK, GLENN T, UNIVERSITY OF CALIFORNIA, SCHOOL OF DENTISTRY, LOS ANGELES, CALIF 90024 Trigeminal motor fatigue-endurance and tremor studies (human).

R01DE-06669-03 (ALY) CURTISS, ROY, WASHINGTON UNIVERSITY, LINDELL & SKINKER BLVDS, ST LOUIS, MO 63130 Antigen delivery system design for host defense analysis (rodent, human, rabbit) .

R01DE-06671-03 (OBM) HASSELL, THOMAS M, DEPT OF PERIODONTICS & ANATOMY, 666 W BALTIMORE ST, BALTIMORE, MD 21201 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs).

R01DE-06672-03 (OBM) ANUSAVICE, KENNETH J, UNIVERSITY OF FLORIDA, BOX J-446, GAINESVILLE, FLA 32610 Optimization of metal-ceramic restoration design.

R01DE-06673-03 (MBC) CURTISS, ROY, WASHINGTON UNIVERSITY, DEPT OF BIOLOGY, ST LOUIS, MO 63130 Genetic and biochemical bases for S mutans virulence (rabbits).

R03DE-06675-02 (DSR) KELLER, JOHN C, MED UNIV OF SOUTH CAROLINA, 171 ASHLEY AVENUE, CHARLESTON, S C 29425 Biological evaluation of a new dental cement (rats).

R03DE-06677-02 (DSR) LEEB, IRWIN J, UNIVERSITY OF NORTH CAROLINA , DEPT OF ENDODONTICS, CHAPEL HILL, N C 27514 Vascular casting of the dental pulp (cats).

R03DE-06680-01 (DSR) GREEN, T L, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, CA 94143 Analysis of oral cancer for Herpes simplex virus markers.

R03DE-06681-02 (DSR) RYDER, MARK I, UNIVERSITY OF CALIFORNIA, 707 PARNASSUS AVENUE, SAN FRANCISCO, CALIF 94143 Electron microprobe study of bone resorption (rats).

R01DE-06682-03 (NEUB) BEITZ, ALVIN J, UNIVERSITY OF MINNESOTA, 1988 FITCH AVENUE, ST PAUL, MINN 55108 CNS modulation of orofacial input (rats, cats).

R23DE-06683-03 (OBM) MANDELL, ROBERT L, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Selective microbial ecology of periodontosis siblings (human).

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R03DE-06690-01 (DSR) ENDICOTT, JAMES N, UNIVERSITY OF SOUTH FLORIDA , 13000 N 30TH STREET, TAMPA, FLA 33612 Long-term follow-up of craniofacial injuries.

R03DE-06714-02 (DSR) WEBER, DENNIS F, UNIVERSITY OF ILLINOIS, P O BOX 6998, CHICAGO, IL 60680 New approach to fixation of human pulp and dentine.

R01DE-06717-01 (OBM) BISHOP, BEVERLY, SUNY AT BUFFALO, 16 SHERMAN HALL, BUFFALO, N Y 14214 Jaw movements and masseter activity during chewing (human).

R01DE-06720-02 (OBM) LANG, BRIEN R, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE , ANN ARBOR, MICH 48109 Resistance of various restorative materials.

R01DE-06725-02 (OBM) FALLS, WILLIAM M, MICHIGAN STATE UNIVERSITY, B514 WEST FEE HALL, EAST LANSING, MI 48824-1316 Anatomical studies of sensory trigeminal nuclei (rats).

R01DE-06730-02 (OBM) BRUNETTE, DONALD M, UNIVERSITY OF BRITISH COLUMBIA, 2199 WESBROOK MALL, VANCOUVER, B C V6T 1Z7 Dental implant surfaces impeding epithelial migration (rats).

R01DE-06738-02 (OBM) FEATHERSTONE, JOHN D, EASTMAN DENTAL CENTER, 625 ELMWOOD AVENUE, ROCHESTER, N Y 14620 Fluoride effect on human tooth root caries (rats).

R23DE-06739-02 (OBM) PRINCE, CHARLES W, UNIV OF ALABAMA IN BIRMINGHAM, U OF ALABAMA SCH OF DENTISTRY, BIRMINGHAM, AL 35294 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats).

R01DE-06740-02 (IMB) LEVINE, MARTIN, UNIV OF OKLAHOMA, P O BOX 26901, OKLAHOMA CITY, OK 73190 Human antibody responsiveness and dental caries.

R01DE-06744-02 (OBM) GABRIEL, OTHMAR, GEORGETOWN UNIVERSITY, 3900 RESERVOIR ROAD N W, WASHINGTON, D C 20007 Adherence of oral bacteria to cell surface components (humans, rabbits).

R01DE-06746-02 (OBM) RUSSELL, MICHAEL W, UNIV OF ALABAMA IN BIRMINGHAM, INST OF DENTAL RESEARCH, BIRMINGHAM, ALA 35294 Protein antigens of Strep mutans in caries immunity (mice, rabbits).

R01DE-06748-02 (OBM) CHIU, TEH-HSING, UNIVERSITY OF PITTSBURGH, 659 SALK HALL, PITTSBURGH PA 15261 Synthesis and function of polymers in oral bacteria (rats).

R23DE-06757-02 (OBM) MIYASAKI, KENNETH T, S U N Y AT BUFFALO, 3435 MAIN STREET, BUFFALO, NY 14214 Myeloperoxidase selective killing of oral bacteria (rabbits).

R01DE-06761-02 (OBM) FEAGIN, FREDERICK F, UNIV OF ALABAMA IN BIRMINGHAM, UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Prevention of surface zone limited caries of enamel.

R01DE-06762-02 (OBM) DOUGLAS, WILLIAM H, UNIVERSITY OF MINNESOTA, SCHOOL OF DENTISTRY, MINNEAPOLIS, MINN 55455 Development of an advanced artificial oral environment.

R01DE-06765-02 (OBM) BAWDEN, JAMES W, U OF N CAROLINA AT CHAPEL HILL, DENTAL RESEARCH CENTER 210-H , CHAPEL HILL, N C 27514 Ion transport through the maturation stage enamel organ (cows, rats).

R23DE-06766-02 (OBM) AUKHIL, IKRAMUDDIN, U OF N CAROLINA AT CHAPEL HILL, DEPT OF PERIODONTICS, CHAPEL HILL, N C 27514 Surgical regeneration of the periodontium (dogs).

R43DE-06778-01 (OBM) CLARK, D JOSEPH, VIDEODISCOVERY, P O BOX 85878, SEATTLE, WA 98145-1978 Videodisc and computer technology in malocclusion.

R44DE-06779-03 (SRC) CAPTAIN, KHUSHROO, FOSTER-MILLER, INC, 350 SECOND AVE, WALTHAM, MASS 02254 Evaluation of a new automated periodontal probe.

R03DE-06799-02 (DSR) LEONARD, REBECCA J, UNIVERSITY OF CALIFORNIA, 4301 X STREET, ROOM 208, SACRAMENTO, CALIF 95817 Speech prostheses in orofacial cancer patients.

R01DE-06801-03 (OBM) CURTISS, ROY, WASHINGTON UNIVERSITY, LINDELL & SKINKER BLVDS, ST LOUIS, MO 63130 Mutants to study S mutans pathogenicity (mammals).

R03DE-06804-01 (DSR) PITAKU, SANDU, TEL AVIV UNIVERSITY, DEPT OF ORAL BIOLOGY, RAMAT AVIV, TEL AVIV ISRAEL Gingival fibroblasts-epithelial cells interaction (dogs, rats).

R03DE-06813-02 (DSR) WIDMALM, SVEN-ERIK, UNIV OF MICHIGAN SCH OF DENT , 1011 N UNIVERSITY AVENUE, ANN ARBOR, MICH 48109 Digastric and lateral pterygoid muscle function.

R03DE-06814-02 (DSR) GAWRON-BURKE, MARY C, UNIVERSITY OF MICHIGAN, 300 N INGALLS BLDG RM 1184SE , ANN ARBOR, MICH 48109 Transposon mutagenesis of the oral streptococci.

R03DE-06815-01 (DSR) HEYS, DONALD R, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE , ANN ARBOR, MICH 48109 Inherent healing capacity of the pulp (monkeys).

R03DE-06817-02 (DSR) BURSTONE, CHARLES J, UNIVERSITY OF CONNECTICUT, DEPT OF ORTHODONTICS, FARMINGTON, CT 06032 Maxillary expansion using laser specklegrammetry (human).

R03DE-06818-01 (DSR) ZAPKA, JANE M, UNIVERSITY OF MASSACHUSETTS , SCHOOL OF HEALTH SCIENCES, AMHERST, MA 01003 College students and comprehensive care effectiveness.

R03DE-06819-02 (DSR) SADOWSKY, CYRIL, UNIV OF ILLINOIS AT CHICAGO , HEALTH SCIENCE CENTER, CHICAGO, IL 60612 TMJ clicking related to orthodontic therapy.

R03DE-06821-02 (DSR) TALLEY, DEANNA J, MARQUETTE UNIVERSITY, 604 N 16TH STREET, MILWAUKEE, WI 53233 Regulation of bone cells three-dimensional culture models (mice).

R03DE-06825-02 (DSR) BRADLEY, ROBERT M, UNIVERSITY OF MICHIGAN, 1011 N UNIVERSITY AVENUE, ANN ARBOR, MICH 48109 Central nervous system control of Von Ebner's glands (rats).

R23DE-06829-03 (OBM) HICKS, M JOHN, UNIV OF COLO HLTH SCIS CTR, 4200 E NINTH AVE BOX C-284, DENVER, COLO 80262 Acid-etching and remineralization of enamel caries in vitro.

R23DE-06832-02 (OBM) KIEL, ROBERT A, UNIV OF CONNECTICUT HLTH CTR , 263 FARMINGTON AVENUE, FARMINGTON, CONNECTICUT 06032 Experimental diabetes and periodontitis (monkeys).

R01DE-06848-02 (BCE) COFFEY, JAMES C, UNIVERSITY OF NORTH CAROLINA , DENTAL RESEARCH CENTER, CHAPEL HILL, N C 27514 Androgen control of salivary gland EGF in cleft palate (mice).

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R23DE-06849-03 (OBM) BERTOLAMI, CHARLES N, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MASS 02114 Identification of intraoral mucosal wound hyaluronidase (rabbits).

R23DE-06851-01 (OBM) DECHOW, PAUL C, UNIVERSITY OF MICHIGAN, 5799 MEDICAL SCIENCE II, ANN ARBOR, MI 48109 Functional effects of masticatory muscle lengthening (Macaca mulatta)

R01DE-06852-02 (OBM) ZEICHNER-DAVID, MARGARITA, UNIV OF SOUTHERN CALIFORNIA , UNIVERSITY PARK MC 0191, LOS ANGELES, CALIF 90089-0191 Isolation and characterization of enamelin gene products (rabbits, guinea pigs).

R01DE-06854-02 (OBM) STUMPF, WALTER E, UNIVERSITY OF NORTH CAROLINA , AT CHAPEL HILL, CHAPEL HILL, NC 27514 Steroid hormone receptors in developing teeth (rats).

R01DE-06856-02 (OBM) GAY, THOMAS J, UNIVERSITY OF CONNECTICUT, DEPT OF ORAL BIOLOGY, FARMINGTON, CT 06032 Arthrophonometry of the temporomandibular joint (human).

R01DE-06859-01 (OBM) VAN BUSKIRK, WILLIAM C, TULANE UNIVERSITY, NEW ORLEANS, LA 70118 Biomechanics of the mandible (human)

R01DE-06860-02 (OBM) RUTHERFORD, R BRUCE, UNIVERSITY OF CONNECTICUT, 263 FARMINGTON AVE, FARMINGTON, CT 06032 Complement monocyte interactions in periodontal disease.

R01DE-06864-01 (OBM) HABER, JEROME, TUFTS UNIVERSITY, ONE KNEELAND STREET, BOSTON, MASS 02111 Genetics of antibodies to periodontal pathogens (mice)

R23DE-06865-02 (BEM) CIPES, MONICA H, SCHOOL OF DENTAL MEDICINE, UNIV OF CONNECTICUT HLTH CTR , FARMINGTON, CT 06032 Child desensitization for dental visits (human).

R01DE-06866-02 (PTHB) WILLIAMS, MARSHALL V, OHIO STATE UNIVERSITY, 333 WEST TENTH AVENUE, COLUMBUS, OHIO 43210 Deoxyuridine metabolism in herpes labialis (rabbit, human).

R01DE-06869-03 (SSS) ARNOLD, ROLAND R, EMORY UNIVERSITY, 1462 CLIFTON ROAD N E, ATLANTA, GA 30322 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

R23DE-06874-02 (OBM) ELLIS, EDWARD, UNIVERSITY OF MICHIGAN, DEPT OF ORAL SURGERY, ANN ARBOR, MICH 48109 Effect of intermaxillary fixation on skeletal relapse (monkeys).

R01DE-06880-02 (OBM) CHEN, PRISCILLA B, S U N Y AT BUFFALO, FOSTER HALL, 3435 MAIN STREET , BUFFALO, N Y 14214 Host defense mechanism to oral bacteria (mice, rabbits, human).

R01DE-06881-03 (OBM) VIG, PETER S, UNIVERSITY OF MICHIGAN, 1011 N UNIVERSITY AVENUE, ANN ARBOR, MI 48109 Oral facial morphology and breathing--Quantitative studies (human)

R01DE-06886-02 (OBM) SYFTESTAD, GLENN T, CASE WESTERN RESERVE UNIV, DEPT OF BIOLOGY, CLEVELAND, OH 44106 Bioactive factors from demineralized adult bone (chick embryo).

R01DE-06892-02 (OBM) DENNY, PAUL C, UNIVERSITY OF SOUTHERN CALIF , SCHOOL OF DENTISTRY, LOS ANGELES, CALIF 90089-0641 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits).

R01DE-06893-02 (OBM) ALAM, SYED Q, LSU MEDICAL CENTER, 1100 FLORIDA AVENUE, NEW ORLEANS, LA 70119 Effects of beta-carotene on salivary gland tumors (rats).

R01DE-06894-01 (NLS) QUOCK, RAYMOND M, MARQUETTE UNIVERSITY, 604 NORTH 16TH STREET, MILWAUKEE, WI 53233 Nitrous oxide and endorphins (rats).

R01DE-06895-02 (BEM) SCHEIRER, MARY A, WESTAT, INC., 1650 RESEARCH BOULEVARD, ROCKVILLE, MD 20850 Implementing preventive dental programs in schools.

R23DE-06896-02 (OBM) MASTERS, PATRICIA M, SCRIPPS INST OF OCEANOGRAPHY , A-012, LA JOLLA, CALIF 92093 Nonenzymatic reactions in human dentin proteins.

R01DE-06900-01 (VR) ELLNER, JERROLD J, UNIV HOSPITALS OF CLEVELAND , 2074 ABINGTON ROAD, CLEVELAND, OH 44106 Immunology of oral herpes simplex viral infections (human).

R03DE-06902-01 (DSR) WEINER, SAUL, UNIV OF MED & DENTISTRY OF N J, 100 BERGEN STREET, NEWARK, N J 07103 Neuroanatomic pathways mediating bruxing behavior (cats).

R01DE-06904-02 (OBM) SENSEMAN, DAVID M, DIVISION OF LIFE SCIENCES, UNIV OF TEXAS AT SAN ANTONIO , SAN ANTONIO, TX 78285 Neuroeffector transmission in a simple salivary gland (mice, mollusks).

R03DE-06907-02 (DSR) BLOCK, MICHAEL S, LSU SCHOOL OF DENTISTRY, 1100 FLORIDA AVENUE, NEW ORLEANS, LA 70119 Osteogenic potential of DBP and hydroxylapatite in dogs.

R23DE-06909-03 (OBM) BABLER, WILLIAM J, BAYLOR COLLEGE OF DENTISTRY , 3302 GASTON AVENUE, DALLAS, TEX 75246 Experimentally induced premature craniosynostosis (rabbits).

R01DE-06913-03 (OBM) YU, JIA-HUEY, VETERANS ADMIN MEDICAL CENTER, 50 IRVING STREET, N W, WASHINGTON, DC 20422 Modulating role of prostaglandins in salivary glands (rats).

R03DE-06916-01 (DSR) GREENBERG, MARTIN S, UNIVERSITY OF PENNSYLVANIA, 3400 SPRUCE STREET, PHILADELPHIA, PA 19104 Oral herpes simplex in immunocompromised patients.

R01DE-06923-01 (OBM) DAVIDOVITCH, ZEEV, OHIO STATE UNIVERSITY, 305 W. 12TH AVENUE, COLUMBUS, OHIO 43210 Biochemistry of tooth eruption, movement and resorption (cats)

R44DE-06932-02 (SRC) KUNG, ROBERT T, ABIOMED, 33 CHERRY HILL DRIVE, DANVERS, MA 01923 A periodontal temperature probe (human).

R03DE-06933-01 (DSR) NICHOLS, WILLIAM K, COLLEGE OF PHARMACY, UNIVERSITY OF UTAH, SALT LAKE CITY, UT 84112 Modulation of microvascular collagen metabolism (swine, rabbits).

R03DE-06937-02 (DSR) MYERS, HOWARD M, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104 Structure-activity of polycarboxylate absorption by hydroxyapatite.

R03DE-06940-01 (DSR) WHITSON, S WILLIAM, SCHOOL OF DENTAL MEDICINE, SOUTHERN ILLINOIS UNIVERSITY , EDWARDSVILLE, IL 62026 Comparisons of microvessels and osteoblasts in vitro.

R01DE-06943-02 (NEUB) LUSCHEI, ERICH S, UNIVERSITY OF IOWA, IOWA CITY, IA 52242 Central projections of MES V afferents (cats)

R23DE-06945-03 (OBM) MURRAY, PATRICIA A, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, CA 94143 Identification of microbial lectins (rabbits).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P01DE-06946-02 (SSS) LASKIN, DANIEL M, MEDICAL COLLEGE OF VIRGINIA , BOX 566 MCV STATION, RICHMOND, VA 23298 Pathophysiology of MPD and other facial pain syndromes

P01DE-06946-02 0001 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--Long term effects of therapy of TMJ in private practice

P01DE-06946-02 0002 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--Transcutaneous electrical nerve stimulation--Treatment of MPD syndrome (human)

P01DE-06946-02 0003 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--Physical therapy for MDP syndrome

P01DE-06946-02 0004 (SSS) KAUGERS, GEORGE. Pathophysiology of MPD and other facial pain syndromes--Xeroradiographic tomography of the temporomandibular joint.

P01DE-06946-02 0005 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--Diazepam, chlorazepate, carisprodol in MPD syndrome chemotherapy (human)

P01DE-06946-02 0006 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--General population survey for TMJ clicking.

P01DE-06946-02 0007 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--Incidence of TMJ clicking in preothodontic patients

P01DE-06946-02 0008 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--TMJ symptons in pre- and post-orthognathic surgery patients.

P01DE-06946-02 0009 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--Surgical denervation and the structures of the TMJ

P01DE-06946-02 0010 (SSS) PAGE, DENNIS. Pathophysiology of MPD and other facial pain syndromes--Tendon in normal and fatigued states (rat, human).

P01DE-06946-02 0011 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--Effects of altered position on articular surface of mandibular condyle (rabbits).

P01DE-06946-02 0012 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--Effect of fatigue on pH and p02 in rabbit masseter

P01DE-06946-02 0013 (SSS) HARKINS, STEPHEN. Pathophysiology of MPD and other facial pain syndromes--Psychophysiologic response of MPD patients to pain.

P01DE-06946-02 0014 (SSS) AUERBACH, STEPHEN. Pathophysiology of MPD and other facial pain syndromes--Psychosocial factors in the response of MPD patients to therapy (human).

P01DE-06946-02 0015 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--Healing of surgical defects in retrodiscal tissue (rabbits).

R01DE-06949-01 (OBM) NOWOTNY, ALOIS H, UNIVERSITY OF PENNSYLVANIA, 4010 LOCUST STREET, PHILADELPHIA, PA 19104 In vitro bone resorption by products of oral bacteria (animals).

R01DE-06951-02 (OBM) FEAGIN, FREDERICK F, UNIV OF ALABAMA AT BIRMINGHAM, DEPT OF PHYSIOLOGY & BIOPHYS , BIRMINGHAM, ALA 35294 Study of F actions on human root surface caries.

R01DE-06952-02 (OBM) CRENSHAW, MILES A, UNIVERSITY OF NORTH CAROLINA , DENTAL RESEARCH CENTER 210H , CHAPEL HILL, N C 27514 Enamel secretory matrix protease (cattle, rats).

R01DE-06953-02 (OBM) SVANBERG, GUNNAR K, UNIVERSITY OF MICHIGAN, 1011 N UNIVERSITY, ANN ARBOR, MICH 48109 Hydroxyproline levels in periodontal health and disease (dogs).

R01DE-06954-01 (OBM) TRAUB, WOLFIE, WEIZMANN INSTITUTE OF SCIENCE, DEPT OF STRUCTURAL CHEMISTRY , REHOVOT, 76100, ISRAEL Structural studies of matrix proteins in teeth and bone.

R01DE-06955-02 (OBM) MURPHY, RICHARD A, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MASS 02115 Epidermal growth factor and tooth development (mice).

R01DE-06957-02 (OBM) WARREN, DONALD W, UNIVERSITY OF NORTH CAROLINA , BRAUER HALL, 209-H, CHAPEL HILL, N C 27514 Nasal airway and respiratory mode in cleft palate (human).

R01DE-06962-02 (OBM) DAO, MY LIEN, UNIV OF OKLAHOMA HLTH SCIS CTR, P O BOX 26901, OKLAHOMA CITY, OK 73190 Surface protein antigens of cariogenic streptococci.

R03DE-06969-01 (DSR) KURIYAMA, MASAO, NATIONAL BUREAU OF STANDARDS , ROOM A163 MATERIALS BLDG, WASHINGTON, D C 20234 Real time high resolution dental microradiography.

R01DE-06970-02 (OBM) TABAK, LAWRENCE A, SUNY AT BUFFALO, 213 FOSTER HALL, BUFFALO, N Y 14214 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits).

R23DE-06976-02 (OBM) MANGAN, DENNIS F, P O BOX 611, UNIV OF ROCHESTER, MEDICAL CTR, ROCHESTER, NY 14642 Polyclonal B cell activation in periodontal disease (human).

R01DE-06977-02 (OBM) LILLIE, JOHN H, UNIVERSITY OF MICHIGAN, ANN ARBOR, MI 48109-0010 Oral mucosa in vitro (mice, rats, guinea pigs).

R23DE-06982-02 (OBM) HINTON, ROBERT J, BAYLOR COLLEGE OF DENTISTRY , 3302 GASTON AVENUE, DALLAS, TEX 75246 Biomechanical influences on condylar cartilage growth (rats).

R23DE-06987-01 (OBM) VAIDYANATHAN, JAYALAKSHMI, NEW YORK UNIV DENTAL CTR, 345 EAST 24TH STREET, NEW YORK, N Y 10010 Study of surfactant use in restorative materials.

R01DE-06988-01 (OBM) SNEAD, MALCOLM L, UNIVERSITY OF SOUTHERN CALIF , ANDRUS GERONTOLOGY CNTR,RM 323, LOS ANGELES, CA 90089-0191 Determination and expression of amelogenin gene products (mice).

R01DE-06989-01 (OBM) VAN DYKE, THOMAS E, EMORY UNIV SCH OF DENTISTRY , 1462 CLIFTON ROAD, NE, ATLANTA, GA 30322 Neutrophil function in periodontal disease (human).

R01DE-06991-02 (OBM) DOWD, FRANK J, CREIGHTON UNIV MED SCHOOL, CALIFORNIA AT 24TH STREET, OMAHA, NE 68178 Plasma membranes and secretory granules in secretion (rats, rabbits).

R01DE-06994-02 (OBM) GREENER, EVAN H, NORTHWESTERN UNIVERSITY 311 E CHICAGO AVENUE, CHICAGO, IL 60611 Palladium containing dental amalgam.

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number

PROJECT NO. REVIEW GROUP INVESTIGATOR ADDRESS AND TITLE

R01DE-06996-01 (OBM) SARKAR, NIKHIL K, LSU SCHOOL OF DENTISTRY, 1100 FLORIDA AVE., NEW ORLEANS, LA 70119 Biological molecules in the corrosion of dental alloys.

R03DE-07001-01 (DSR) EL ATTAR, TAWFIK, UNIVERSITY OF MISSOURI, 650 EAST 25TH ST, KANSAS CITY, MO 64108 Exogenous arachidonic acid metabolism by oral squamous carcinoma cells (human).

P50DE-07003-02 (SRC) BOWEN, WILLIAM H, UNIVERSITY OF ROCHESTER, 601 ELMWOOD AVENUE, ROCHESTER, N Y 14642 Rochester caries research center.

P50DE-07003-02 0001 (SRC) MARQUIS, ROBERT E. Rochester caries research center--Implantable ammonia-producing Streptococci (rats).

P50DE-07003-02 0002 (SRC) ALLEN, PETER Z. Rochester caries research center--Immunochemical studies of actinomyces viscosus polysaccharides (rats).

P50DE-07003-02 0003 (SRC) YASBIN, RONALD E. Rochester caries research center--Genetics of Streptococcus mutans.

P50DE-07003-02 0004 (SRC) FEATHERSTONE, JOHN D. Rochester caries research center--Salivary pellicle and dental caries (human).

P50DE-07003-02 0005 (SRC) BOWEN, WILLIAM H. Rochester caries research center--Animal model for root surface caries and hyposalivation (rats).

P50DE-07003-02 0006 (SRC) HANDELMAN, STANLEY L. Rochester caries research center--Hyposalivation, drug use and caries in the elderly.

P50DE-07003-02 0007 (SRC) MEYEROWITZ, CYRIL J. Rochester caries research center--Radiation-induced xerostomia and caries parameters (human).

P50DE-07003-02 0008 (SRC) LEVERETT, DENNIS H. Rochester caries research center--Identifying caries susceptible subjects.

R23DE-07006-01 (CBY) GRAVES, DANA T, 665 HUNTINGTON AVENUE, BOSTON, MASS 02115 Synthesis of a craniofacial wound healing factor (human).

R01DE-07007-02 (PTHB) SHILLITOE, EDWARD J, UNIV OF TEXAS HLTH SCIS CTR , P O BOX 20068, HOUSTON, TEX 77225 Multiple factors in the etiology of oral cancer (mice).

R01DE-07008-03 (OBM) SHILLITOE, EDWARD J, UNIV OF TEXAS HLTH SCIS CTR , P O BOX 20068, HOUSTON, TEX 77225 Herpes virus antibodies in patients with oral cancer.

P50DE-07009-02 (SRC) DE PAOLA, PAUL F, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MA 02115 Specialized caries research centers.

P50DE-07009-02 0001 (SRC) DE PAOLA, PAUL F. Specialized caries research centers--Clinical studies of root caries (human).

P50DE-07009-02 0002 (SRC) JORDAN, HAROLD V. Specialized caries research centers--Microbial ethiology of root surface caries (human, rats).

P50DE-07009-02 0003 (SRC) HAY, DON I. Specialized caries research centers--Biochemical and microbiological aspects of root surface caries (human).

P50DE-07009-02 0004 (SRC) EBERSOLE, JEFFREY L. Specialized caries research centers--Immunological aspects of root caries (human).

P50DE-07009-02 0005 (SRC) MORENO, EDGARD C. Specialized caries research centers--Physical, chemical and microbiological aspects of root caries formation (human).

P50DE-07009-02 0007 (SRC) SKOBE, ZIEDONIS. Specialized caries research centers--Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters).

P50DE-07010-02 (SRC) CLARKSON, BRIAN H, UNIVERSITY OF IOWA, COLLEGE OF DENTISTRY, IOWA CITY, IA 52242 Specialized caries research center.

P50DE-07010-02 0001 (SRC) ETTINGER, RONALD L. Specialized caries research center--Prevention of caries in overdenture abutments (humans).

P50DE-07010-02 0002 (SRC) WEFEL, JAMES S. Specialized caries research center--Influence of plaque pH on mineralization.

P50DE-07010-02 0003 (SRC) JENSEN, MARK E. Specialized caries research center--Radiotelemetric evaluation of interproximal plaque pH (human).

P50DE-07010-02 0004 (SRC) CRALL, JAMES J. Specialized caries research center--Carbohydrates in root caries.

P50DE-07010-02 0005 (SRC) BUTLER, J E. Specialized caries research center--Immunological investigation of root surface caries.

P50DE-07010-02 0006 (SRC) GRIGSBY, WILLIAM R. Specialized caries research center--Synthesis and testing of potential antiplaque agents.

P50DE-07010-02 0007 (SRC) CHALLACOMBE, STEPHEN J. Specialized caries research center--Bacterial interrelationships in an animal model (rats).

R01DE-07011-02 (OBM) MOORE, PAUL A, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Psychomotor impairment related to nitrous oxide exposure (human, rats).

R03DE-07012-02 (DSR) MOORE, PAUL A, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Therapeutic regimens for dental surgery.

R03DE-07013-01 (DSR) MYERS, DAVID R, MEDICAL COLLEGE OF GEORGIA, SCHOOL OF DENTISTRY, AUGUSTA, GA 30912 Absorption of glutaraldehyde from pulpotomy sites (dogs).

R03DE-07014-01 (DSR) DANIEL, JON C, UNIVERSITY OF ILLINOIS, 801 SOUTH PAULINA, CHICAGO, ILL 60612 Human PDL cell attachment to root surfaces.

R03DE-07015-01 (DSR) LINKE, HARALD A, NYU COLLEGE OF DENTISTRY, 421 FIRST AVENUE, NEW YORK, NY 10010 Axenic cultivation of Entamoeba gingivalis.

R03DE-07019-02 (DSR) HAMLET, SANDRA L, UNIVERSITY OF MARYLAND, DEPT HEARING & SPEECH SCIENCES, COLLEGE PARK, MD 20742 Ultrasonic detection of oral markers (human).

R03DE-07024-02 (DSR) MALLEK, HENRY M, GEORGETOWN UNIVERSITY, 3800 RESERVOIR ROAD, N W, WASHINGTON, D C 20007 Oral signs and symptoms in bulimic patients.

R01DE-07030-01 (OBM) RETIEF, DANIEL H, UNIVERSITY OF ALABAMA, UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Epidemiology, prevention and treatment of root caries (humans).

R43DE-07034-01 (SSS) MARKER, BERNARD C, GREENMARK, INC, SUITE 721 GOLF MILL PROF BLDG , NILES, IL 60648 Titanium alloys for partial dentures - Phase I.

R03DE-07042-02 (DSR) MC CALLUM, DEBRA M, UNIV OF ALABAMA AT BIRMINGHAM, DEPT OF PSYCHOLOGY, BIRMINGHAM, ALA 35294 Interdependence in the dentist-patient relationship.

R03DE-07045-01 (DSR) MORENA, ROBERT, MEDICAL COLLEGE OF GEORGIA, SCHOOL OF DENTISTRY, AUGUSTA, GA 30912 Fatigue of ceramics in a simulated oral environment.

R03DE-07046-01 (DSR) AUKHIL, IKRAMUDDIN, UNIVERSITY OF NORTH CAROLINA , SCHOOL OF DENTISTRY, CHAPEL HILL, N C 27514 Cell migration in experimental periodontal wounds (monkey).

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number

PROJECT NO. REVIEW GROUP INVESTIGATOR ADDRESS AND TITLE

R03DE-07051-01 (DSR) ROSSOMANDO, EDWARD F, SCHOOL OF DENTAL MEDICINE, UNIV OF CONNECTICUT HLTH CTR , FARMINGTON, CT 06032 HPLC analysis of purine nucleosides in crevicular fluid.

R03DE-07052-01 (DSR) WARE, WILLIAM H, UNIVERSITY OF CALIFORNIA, SCHOOL OF DENTISTRY RM C-637 , SAN FRANCISCO, CA 94143 Factors related to coping with orthognathic surgery.

R01DE-07062-01 (EDC) SPENCE, M ANNE, UCLA NPI 48-233, 760 WESTWOOD PLAZA, LOS ANGELES, CALIF 90024 Cleft lip and palate in Los Angeles Hispanics.

R23DE-07075-01 (OBM) THOMAS, HUW F, UNIV OF CONNECTICUT HLTH CTR , 263 FARMINGTON AVENUE, FARMINGTON, CT 06032 Tissue interactions in root development (mice).

R23DE-07077-01 (OBM) MC DOWELL, THOMAS D, UNIVERSITY OF NEW MEXICO, SCHOOL OF MEDICINE, ALBUQUERQUE, N M 87131 Cell surface regulation in a cariogenic streptococci.

R23DE-07079-01 (OBM) FERRACANE, JACK L, BAYLOR COLLEGE OF DENTISTRY , 3302 GASTON AVENUE, DALLAS, TEX 75246 Effect of composition on fracture and creep of composite.

R13DE-07080-01 (DSR) LE GEROS, RACQUEL Z, NEW YORK UNIV DENTAL CENTER , 345 EAST 24TH STREET, NEW YORK, N Y 10010 Gordon research conference on calcium phosphates, 1985.

R01DE-07086-01 (OBM) DONOFF, R BRUCE, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MA 02114 Development of artificial oral mucosa (rabbits).

R01DE-07105-01 (CMS) WARREN, DONALD W, BRAUER HALL, 209H, U OF NORTH CAROLINA/CHAPEL HIL, CHAPEL HILL, N C 27514 Speech aerodynamics--Regulation/control in cleft palate (human).

R23DE-07107-02 (OBM) REDDY, CHADA S, UNIVERSITY OF MISSOURI, COLUMBIA, MO 65211 Cyclic nucleotides and prostaglandins in cleft palate (mice).

R23DE-07113-02 (OBM) BAKER, RICHARD L, EMORY UNIVERSITY, 1462 CLIFTON RD N E, ATLANTA, GA 30322 Isolation and characterization of osteoclasts (chicks).

P50DE-07117-01 (SRC) CLARK, WILLIAM B, COLLEGE OF DENTISTRY, UNIVERSITY OF FLORIDA, GAINESVILLE, FL 32610 Periodontal disease research center.

P50DE-07117-01 0001 (SRC) LOW, SAMUEL B. Periodontal disease research center--Two monitored patient groups--Clinical component.

P50DE-07117-01 0002 (SRC) WALKER, CLAY B. Periodontal disease research center--Two monitored patient groups--Microbiology and pharmacology.

P50DE-07117-01 0003 (SRC) MCARTHUR, WILLIAM P. Periodontal disease research center--Two monitored patient groups--Immunology.

P50DE-07117-01 0004 (SRC) CLARK, WILLIAM B. Periodontal disease research center--In vivo oral bacterial colonization--Microbiology and immunology (monkeys).

P50DE-07118-01 (SRC) TAICHMAN, NORTON S, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104 Periodontal diseases research center.

P50DE-07118-01 0001 (SRC) LINDHE, JAN T. Periodontal diseases research center--Clinical studies (children).

P50DE-07118-01 0002 (SRC) SLOTS, JORGEN. Periodontal diseases research center--Clinical microbiological studies (children).

P50DE-07118-01 0003 (SRC) LALLY, EDWARD. Periodontal diseases research center--Immunological and inflammatory functions in serum and oral fluids (children).

P50DE-07118-01 0004 (SRC) TAICHMAN, NORTON S. Periodontal diseases research center--PMN functional studies (children).

P50DE-07118-01 0005 (SRC) SHENKER, BRUCE J. Periodontal diseases research center--Studies on immunological dysfunction (children).

P50DE-07118-01 0006 (SRC) DIRIENZO, JOSEPH M. Periodontal diseases research center--Molecular probes to study Actinobacillus actinomycetemcomitans infection.

P50DE-07118-01 9001 (SRC) GOLUB, ELLIS E. Periodontal diseases research center--Core--Data processing and statistics.

R01DE-07120-02 (OBM) SHUR, BARRY D, M D ANDERSON HOSP & TUMOR INST, 6723 BERTNER AVENUE, HOUSTON, TX 77030 Cell-substrate interaction in craniofacial morphogenesis.

R03DE-07121-01 (DSR) WOODBURY, DIXON M, SCHOOL OF MEDICINE, UNIVERSITY OF UTAH, SALT LAKE CITY, UT 84108 Acid production in craniofacial osteoclasts (mice).

R03DE-07123-01 (DSR) STORTHZ, KAREN A, UNIVERSITY OF TEXAS, P O BOX 20068, HOUSTON, TX 77225 Role of cytomegalovirus in Sjogren's syndrome.

R03DE-07124-01 (DSR) NEWITTER, DAVID A, UNIVERSITY OF CONNECTICUT, 263 FARMINGTON AVE, FARMINGTON, CT 06032 Prevalence of 1 and 2 coronal caries in adults (human).

R01DE-07126-02 (MBC) COYKENDALL, ALAN L, UNIVERSITY OF CONNECTICUT, DEPARTMENT OF ORAL DIAGNOSIS , FARMINGTON, CONN 06032 Molecular taxonomy of non-hemolytic streptococci.

R03DE-07127-01 (DSR) NIKOLAI, ROBERT J, SAINT LOUIS UNIV MEDICAL CTR , 3556 CAROLINE STREET, ST LOUIS, MO 63104 Deactivation behavior of orthodontics wires in flexure.

R01DE-07128-02 (OBM) KORNMAN, KENNETH S, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TX 78284 Microbiology of ligature-induced periodontitis (monkeys).

R03DE-07130-01 (DSR) BURT, BRIAN A, UNIVERSITY OF MICHIGAN, SCHOOL OF PUBLIC HEALTH, ANN ARBOR, MI 48109-2029 Epidemiology of oral disease in Hispanic Americans.

R01DE-07133-02 (OBM) MARFURT, CARL F, INDIANA UNIV SCHOOL OF MED, 3400 BROADWAY, GARY, IND 46408 Peripheral and central mechanisms of dental pain (monkeys, rats).

R03DE-07140-01 (DSR) SAZ, ARTHUR K, GEORGETOWN UNIVERSITY, 3900 RESERVOIR RD N W, WASHINGTON, D C 20007 In vitro interactions of bacteria from periodontitis.

R03DE-07142-01 (DSR) FLEIT, HOWARD B, SUNY AT STONY BROOK, STONY BROOK, N Y 11794 Leukocyte IgA Fc receptors (human).

R03DE-07143-01 (DSR) HEINZ, JOHN M, JOHN F KENNEDY INSTITUTE, 707 NORTH BROADWAY, BALTIMORE, MD 21205 Sounds of normal and impaired swallow (humans).

R03DE-07145-01 (DSR) IM, MICHAEL J, JOHNS HOPKINS HOSPITAL, 600 N WOLFE STREET, BALTIMORE, MD 21205 Oxygen free radicals in palatal development (mice).

PROJECT IDENTIFICATION DATA

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R03DE-07146-01 (DSR) LEE, JOHN C, UNIV OF TEXAS HLTH SCI CTR, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TX 78284 Biochemistry of Streptococcus mutans ribosomes (rabbits).

R03DE-07148-01 (DSR) KLEIN, ROBERT M, UNIVERSITY OF KANSAS, 39TH & RAINBOW BLVD, KANSAS CITY, KS 66103 Effect of epidermal growth factor on tooth development (mice).

R03DE-07149-01 (DSR) JOHNSTON, MALCOLM C, DENTAL RESEARCH CENTER 210H , UNIVERSITY OF NORTH CAROLINA , CHAPEL HILL, NC 27514 Ethanol teratogenicity at early somite stages in mice.

R03DE-07152-01 (DSR) HANSEN-SMITH, FAY M, UNIVERSITY OF MICHIGAN, ANN ARBOR, MI 48109 Skeletal muscle basal laminae--Biochemical analyses (rats).

R03DE-07156-01 (DSR) NAFTEL, JOHN P, UNIVERSITY MEDICAL CENTER, 2500 NORTH STATE STREET, JACKSON, MS 39216 Regulation of dental innervation by trophic factors.

R03DE-07157-01 (DSR) HANSEN, DEBORAH K, P O BOX 20708, HOUSTON, TX 77025 Studies on nitrous oxide teratogenesis (rats).

R03DE-07165-01 (DSR) DOWNS, ROBERT W, BOX 111, MCV STATION, MEDICAL COLLEGE OF VIRGINIA , RICHMOND, VA 23298 Calcitonin receptor (mice).

R01DE-07168-02 (BM) CIHLAR, RONALD L, GEORGETOWN UNIVERSITY, 3900 RESERVOIR RD, N W, WASHINGTON, D C 20007 Membrane function during germination of Candida albicans (mice).

R03DE-07169-01 (DSR) CRAWFORD, JOHN M, UNIV OF ILLINOIS AT CHICAGO , 801 S PAULINA STREET, CHICAGO, IL 60612 Periodontal disease in sickle cell anemia.

R03DE-07170-01 (DSR) DESJARDINS, PAUL J, NEW JERSEY DENTAL SCHOOL, 100 BERGEN ST, NEWARK, N J 07103 Pharmacological control of postoperative swelling (human).

R13DE-07172-01 (DSR) LANG, BRIEN R, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE , ANN ARBOR, MICH 48109 Biocompatibility, toxicity, hypersensitivity in dentistry.

R23DE-07182-01 (OBM) TEAFORD, MARK F, JOHNS HOPKINS UNIVERSITY, 725 N WOLFE ST, BALTIMORE, MD 21205 Tooth wear and tooth use in Cercopithecus aethiops (green monkeys).

R01DE-07186-01 (BEM) CONS, NAHAM C, UNIVERSITY OF IOWA, COLLEGE OF DENTISTRY, IOWA CITY, IOWA 52242 Validation of an index to score dental aesthetics (human).

R23DE-07190-01 (OBM) HANKEN, JAMES, UNIVERSITY OF COLORADO, CAMPUS BOX B-334, BOULDER, CO 80309 Craniofacial ossification during anuran metamorphosis.

R01DE-07197-01 (EDC) DWORKIN, SAMUEL F, UNIVERSITY OF WASHINGTON, SCHOOL OF DENTISTRY, SEATTLE, WA 98195 Epidemiologic studies of temporomandibular disorders (human).

R01DE-07199-01 (OBM) DOYLE, RONALD J, UNIVERSITY OF LOUISVILLE, 319 ABRAHAM FLEXNER, LOUISVILLE, KY 40292 Adherence factors of oral streptococci (human).

R01DE-07204-01 (OBM) SUZUKI, JON B, UNIV OF MARYLAND DENTAL SCHOOL, 666 W BALTIMORE STREET, BALTIMORE, MD 21201 Family studies of early onset periodontitis (human).

R23DE-07208-01 (OBM) NICHOLS, FRANK C, UNIVERSITY OF CONNECTICUT, 263 FARMINGTON AVENUE, FARMINGTON, CONN 06032 LPS-monocyte interactions in periodontal disease (guinea pigs).

R01DE-07218-01 (OBM) HASTY, DAVID L, UNIVERSITY OF TENNESSEE, 875 MONROE AVE, MEMPHIS, TN 38163 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits).

R01DE-07220-01 (OBM) GOLDBERG, VICTOR M, 2074 ABINGTON ROAD, CLEVELAND, OH 44106 Bioactive factors in skeletal repair (rabbits, rats).

R01DE-07223-01 (OBM) LE GEROS, RACQUEL Z, NEW YORK UNIVERSITY DENTAL CTR, 345 EAST 24TH STREET, NEW YORK, NY 10010 Magnesium and calcium phosphate formation and stability (humans, fish).

R23DE-07225-01 (OBM) GREENBERG, GARY L, UNIV OF SOUTHERN CALIFORNIA , UNIV PARK, MC 0641, LOS ANGELES, CA 90089 Influence of mast cells on bone remodelling (mice).

R13DE-07230-01 (SRC) GENCO, ROBERT J, S U N Y - AT BUFFALO, DEPARTMENT OF ORAL BIOLOGY, BUFFALO, N Y 14214 Third Gordon research conference on periodontal diseases.

R23DE-07233-01 (OBM) RUDNEY, JOEL D, UNIVERSITY OF MINNESOTA, 515 DELAWARE STREET, S E, MINNEAPOLIS, MINN 55455 Multivariate analysis of saliva antimicrobial proteins (humans).

R01DE-07244-01 (OBM) FISHER, SUSAN J, UNIVERSITY OF CALIFORNIA DIVISION OF ORAL BIOLOGY, SAN FRANCISCO, CALIF 94143 Molecular mechanisms of bacterial adherence to cementum (human, cattle).

R23DE-07256-02 (OBM) LANTZ, MARILYN S, UAB SCHOOL OF DENTISTRY, UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Attachment protein interaction with periodontal bacteria (mice).

R01DE-07257-02 (OBM) BURTON, JAMES A, UNIVERSITY HOSPITAL, 75 EAST NEWTON STREET, BOSTON, MASS 02118 IgA protease and dental caries.

R43DE-07261-01 (SSS) JYOTSNA, SHARMA, 8632 FREDERICKSBURG RD, 13227 HUNTER'S VIEW, SAN ANTONIO, TX 78230 Dimethylsuberimidate as a pulpotomy agent (rats).

R43DE-07266-01 (SSS) BENEDICT, CHRISTINE V, P O BOX 601, FARMINGTON, CT 06034 Mytilus edulis polyphenolic protein--Adhesive system development.

R01DE-07267-02 (OBM) HOLT, STANLEY C, UNIV OF TEXAS HLTH SCI CTR, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TX 78284 Periodontopathic bacteria--Chemical-biologic nature (animals).

R23DE-07268-02 (CBY) NIEDERMAN, RICHARD, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MA 02115 Polymorphonuclear leukocyte function in wound healing (rabbits).

R13DE-07273-01 (SRC) ALLMANN, DAVID W, INDIANA UNIVERSITY, 635 BARNHILL DRIVE, INDIANAPOLIS, IN 46223 Topical fluorides--Optimizing safety and efficacy.

R03DE-07274-01 (SRC) BEATY, TERRI H, JOHNS HOPKINS UNIVERSITY, 615 N WOLFE STREET, BALTIMORE, MD 21205 Detecting heterogeneity in juvenile periodontitis (human).

R03DE-07275-01 (SRC) WALTERS, JOHN D, POSTLE HALL, BOX 5, 305 WEST 12TH AVENUE, COLUMBUS, OH 43210 Measurement of polyamines in gingival crevicular fluid (human).

R03DE-07278-01 (DSR) HUARD, THOMAS K, SIMPSON MEMORIAL RESEARCH INST, 102 OBSERVATORY, ANN ARBOR, MI 48109-0010 Laminin and immune intervention in periodontal disease.

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R03DE-07279-01 (SRC) COHEN, MAIMON M, DIV OF HUMAN GENETICS, 655 W BALTIMORE STREET, BALTIMORE, MD 21201 Dental diseases and a gene map of human chromosome 3.

R03DE-07282-01 (DSR) SCHNEIDER, JAY S, UCLA SCHOOL OF MEDICINE, DEPT OF NEUROLOGY, LOS ANGELES, CALIF 90024 Basal ganglia-trigeminal interactions (cats).

R03DE-07283-01 (DSR) MULLIGAN, ROSEANN, UNIV OF SOUTHERN CALIFORNIA , LOS ANGELES, CA 90089-0641 Diabetes risk assessment in the elderly dental patient.

R03DE-07288-01 (SRC) BARSKY, SANFORD H, DEPT OF PATHOLOGY, U C L A SCHOOL OF MEDICINE, LOS ANGELES, CA 90024 Human basement membrane tumors (nude mice, tissue culture).

R03DE-07290-01 (DSR) KIYAK, ASUMAN, UNIVERSITY OF WASHINGTON, DEPT OF ORAL SURGERY SB-24, SEATTLE, WASH 98195 Self-monitoring to improve oral health of depressed aged.

R03DE-07297-01 (DSR) BASHIRELAHI, NASIR, UNIV OF MARYLAND AT BALTIMORE, 666 WEST BALTIMORE STREET, BALTIMORE, MD 21201 Mechanism of action of phenytoin (human, rats).

R03DE-07299-01 (DSR) BROWN, WALTER E, AMERICAN DENTAL ASSN HLTH FDN, NATIONAL BUREAU OF STANDARDS , GAITHERSBURG, MD 20899 Ultramicro analysis of plaque samples from single sites.

R03DE-07301-01 (DSR) SVARE, CARL W, ROOM N413 DSB, THE UNIVERSITY OF IOWA, IOWA CITY, IA 52242 Congenital effects of low mercury and lead exposure (human).

R03DE-07303-01 (SRC) HERZBERG, MARK C, UNIVERSITY OF MINNESOTA, 515 DELAWARE ST S E, MINNEAPOLIS, MN 55455 Consequences of bacteremia in atherosclerotic animals (rabbits, dogs).

R03DE-07306-01 (DSR) MADISON, SANDRA, COLLEGE OF DENTISTRY, THE UNIVERSITY OF IOWA, IOWA CITY, IA 52242 Vitallium and titantium endodontic implants (monkeys).

R03DE-07307-01 (DSR) FITCHIE, JAMES G, U OF MISSISSIPPI MEDICAL CTR , 2500 NORTH STATE STREET, JACKSON, MS 39216 University of Mississippi dental care unit--Field testing.

R03DE-07308-01 (DSR) POWELL, G LYNN, UNIVERSITY OF UTAH, BUILDING 518, SALT LAKE CITY, UTAH 84112 Co2 lasers in preventative dentistry - safety parameters (dogs).

R03DE-07311-01 (DSR) THIBODEAU, EDWARD A, UNIV OF ROCHESTER MEDICAL CTR, 601 ELMWOOD AVENUE, ROCHESTER, N Y 14642 Isolation of antibacterial peptides from human PMNs (rabbits).

R03DE-07313-01 (DSR) BABU, JEGDISH P, U OF TENNESSEE CTR HLTH SCI , 800 MADISON AVENUE, MEMPHIS, TN 38163 Ligand receptor interactions of actinomyces viscosus (human, rabbit).

R03DE-07314-01 (DSR) QUIVEY, ROBERT G, UNIVERSITY OF ROCHESTER, 601 ELMWOOD AVE, ROCHESTER, N Y 14642 Genetics of streptococcus sanguis (rats).

R23DE-07318-01 (OBM) GREGORY, RICHARD L, EMORY UNIVERSITY, 1462 CLIFTON RD, ATLANTA, GA 30322 Functional role of IgA antibodies to Streptococcus mutans (rabbits).

R03DE-07319-02 (DSR) GANTT, DAVID G, EMORY UNIVERSITY, 1462 CLIFTON ROAD, N E, ATLANTA, GA 30322 Intermicroscopic correlation of remineralization.

R23DE-07322-01 (OBM) BROWN, THOMAS A, BOX J-424 JHMHC, UNIVERSITY OF FLORIDA, GAINESVILLE, FL 32610 Anti-S mutans IgA--Subclasses and effects of IgA proteases (human).

R23DE-07328-01 (OBM) GANTT, DAVID G, EMORY UNIVERSITY, 1462 CLIFTON ROAD, N E, ATLANTA, GA 30322 A quantitative study of lesion formation in animal models (also human).

R01DE-07332-01 (OBM) KORN, EDWARD L, AV-617, CHS, UCLA SCHOOL OF MEDICINE, LOS ANGELES, CA 90024 Analysis of utility of implants in craniofacial research.

R01DE-07341-01 (OBM) HURLEY, THOMAS W, UNIVERSITY OF MISSOURI, ONE HOSPITAL DR, COLUMBIA, MO 65212 Second messenger function in exocrine glands (rats).

R01DE-07344-01 (OBM) GUINEY, DONALD G, UNIV OF CALIFORNIA, SAN DIEGO, 225 DICKINSON STREET, SAN DIEGO, CA 92103 Black-pigmented bacteroides--Drug resistance and virulence.

R01DE-07347-01 (OBM) ROBERTS, DAVID, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104 Magnetic resonance characteristics of TMJ tissues (humans).

R23DE-07351-01 (OBM) SMITH, KATHLEEN K, BOX 3011, DUKE UNIV MEDICAL CTR, DURHAM, NC 27710 Morphological basis of tongue movement and control (mammals).

R01DE-07374-01 (OBM) TAYLOR, DUANE F, UNIV OF N CAROLINA/CHAPEL HILL, DENTAL RESEARCH CENTER 210H , CHAPEL HILL, NC 27514 Effectiveness of dental clinical evaluation techniques (human).

R01DE-07375-01 (OBM) STOOKEY, GEORGE K, INDIANA UNIVERSITY SCH OF DENT, ORAL HEALTH RESEARCH INSTITUTE, INDIANAPOLIS, INDIANA 46202 Dietary factors and root caries in animals (hamsters).

R01DE-07376-01 (OBM) LAMSTER, IRA B, FAIRLEIGH DICKINSON UNIVERSITY, ORAL HEALTH RESEARCH CENTER , HACKENSACK, NEW JERSEY 07601 Biochemical profile for gingival crevicular fluid.

R01DE-07378-01 (OBM) DEWHIRST, FLOYD E, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MASS 02115 Human osteoclast-activating factor (mice, rats).

R01DE-07381-01 (OBM) BILLINGS, RONALD J, EASTMAN DENTAL CENTER, 625 ELMWOOD AVENUE, ROCHESTER, N Y 14620 Prevalence of xerostomia--Relation to selected variables (human).

R23DE-07384-01 (OBM) DENBESTEN, PAMELA K, UNIVERSITY OF NORTH CAROLINA , DENTAL RESEARCH CTR 210H, CHAPEL HILL, N C 27514 Effects of chronic high fluoride on enamel development (rats).

R03DE-07386-01 (DSR) MILLER, EDWARD G, BAYLOR COLLEGE OF DENTISTRY , 3302 GASTON AVENUE, DALLAS, TX 75246 Nicotinamide--A potential inhibitor of carcinogenesis (rats).

R23DE-07388-01 (OBM) ZERO, DOMENICK T, VCU/MCV SCHOOL OF DENTISTRY , BOX 566, MCV STATION, RICHMOND, VA 23298 Glucan-mediated intraoral demineralization by S mutans (human).

R23DE-07389-01 (OBM) TURNER, JOHN T, UNIV OF MISSOURI-COLUMBIA, M-517 MEDICAL SCIENCES BLDG. , COLUMBIA, MO 65212 VIP receptors and submandibular gland function (rats).

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number

PROJECT NO. REVIEW GROUP INVESTIGATOR, ADDRESS, AND TITLE

R23DE-07391-01 (OBM) ANDERSON, LEIGH C, EMORY UNIVERSITY, 1462 CLIFTON ROAD N E, ATLANTA, GA 30322 Insulin and protein synthesis in the rat gland.

R43DE-07395-01 (SSS) ENTINE, GERALD, 44 HUNT STREET, WATERTOWN, MA 02172 Improved X rays for the diagnosis of periodontal disease.

R43DE-07397-01 (SSS) PINIZZOTTO, RUSSELL F, ULTRASTRUCTURE, INC, 1850 N GREENVILLE AVE - 140 , RICHARDSON, TX 75081 Alloy/solder interfaces--TEM microstructure vs strength.

R03DE-07404-01 (DSR) DURBAN, ELISA M, UNIV OF TEXAS HEALTH SCI CTR , P O BOX 20068, HOUSTON, TEX 77225 Collagen matrices for oral epithelium in vitro (human, rats).

R03DE-07405-01 (DSR) FIRESTONE, ALLEN R, UNIV OF ALABAMA AT BIRMINGHAM, UNIVERSITY STATION, BIRMINGHAM, AL 35294 Model for root caries following alveolar bone loss.

R03DE-07406-01 (DSR) GERSON, STANLEY J, UNIV OF ILLINOIS AT CHICAGO , P O BOX 6998, CHICAGO, IL 60680 Effect of ingested ethyl alcohol on oral epithelium (rat).

R03DE-07410-01 (DSR) SEGHI, ROBERT R, UCLA SCHOOL OF DENTISTRY, ROOM 23-088B, LOS ANGELES, CA 90024 Effect of fluoride nucleation on glass-ceramic formation.

R03DE-07412-01 (DSR) SPENCER, HERTA, VA HOSPITAL, METABOLIC SECTION (151S2), HINES, ILL 60141 Effect of zinc on intestinal absorption of calcium (human).

R03DE-07413-01 (DSR) FRICTON, JAMES R, UNIVERSITY OF MINNESOTA, SCHOOL OF DENTISTRY, MINNEAPOLIS, MINN 55455 Pressure algometer for MPD--Reliability and validity.

R03DE-07418-01 (DSR) MOORE, CHARLEEN M, UNIV OF TEXAS HLTH SCIENCE CTR, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX 78284 Dentinogenesis imperfecta--Chromosome mapping.

R03DE-07424-01 (DSR) MURRAY, PATRICIA A, DEPT OF STOMATOLOGY HSW 604 , UNIV OF CALIF, SAN FRANCISCO , SAN FRANCISCO, CA 94143 Bacterial invasion of a basement membrane - like matrix in vitro.

R03DE-07426-01 (DSR) JENSEN, MARK E, UNIVERSITY OF IOWA, COLLEGE OF DENTISTRY, IOWA CITY, IA 52242 Calcium, fluoride and hydrogen ions in caries (human).

R03DE-07430-01 (DSR) BIXLER, DAVID, INDIANA UNIVERSITY FOUNDATION, 1226 W MICHIGAN STREET, INDIANAPOLIS, IN 46223 A study of facial features in cleft lip-palate families (human).

R01DE-07431-08 (GMB) GAY, CAROL V, PENNSYLVANIA STATE UNIVERSITY, 618 MUELLER LABORATORY, UNIVERSITY PARK, PA 16802 Ultrastructual studies of mineralized tissue (chicks, rats).

R03DE-07433-01 (DSR) NIEDERMAN, RICHARD, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MA 02115 Periodontosis--A defect in PMN actin polymerization (human).

R03DE-07436-01 (DSR) MAILMAN, MARY L, UNIV OF TEXAS HLTH SCIENCE CTR, P.O. BOX 20068, HOUSTON, TX 77225 Intracellular degradation of extracellular collagen (human).

R03DE-07440-01 (DSR) WIDMER, CHARLES G, EMORY UNIV SCH OF DENTISTRY , 1462 CLIFTON RD. NE, ATLANTA, GA 30322 Spatiotemporal mapping of trigeminal evoked potentials (human).

R01DE-07514-01 (BEM) TURK, DENNIS C, WESTERN PSYCHIATRIC INST/CLIN, 3811 O'HARA STREET, PITTSBURGH, PA 15213 TMJS/TMPDS--Evaluating structural and functional models (human).

R43DE-07528-01 (SSS) PUTNAM, DAVID L, INTERNATIONAL BIOMEDICS, INC , POST OFFICE BOX 971, MERCER ISLAND, WASH 98040 Immuno-diagnostic probe for periodontitis.

R03DE-07556-01 (DSR) GRAVES, DANA T, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX 78284 Investigation of PDGF receptors on U20s osteosarcoma cells (tissue culture).

R23DE-07559-01 (CBY) GRAVES, DANA T, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TX 78284 Synthesis of a craniofacial wound healing factor (human).

R01DE-07594-01 (OBM) CHRISTNER, PAUL J, ALBERT EINSTEIN MEDICAL CENTER, YORK AND TABOR ROADS, PHILADELPHIA, PA 19141 Enamel proteins.

R13DE-07614-01 (DSR) HEFFERREN, JOHN J, AMER DENTAL ASSOC HLTH FDN, 211 EAST CHICAGO AVENUE, CHICAGO, IL 60611 Consensus conference--Methods for cariogenic potential of food.

R01DE-07620-01 (OBM) ALLEY, KEITH E, OHIO STATE UNIVERSITY, 305 W 12TH AVENUE, COLUMBUS, OHIO 43210 Neural aspects of craniofacial morphogenesis (frogs).

R01DE-07621-01 (OBM) PARK, BYUNG H, SUNY AT BUFFALO, 3435 MAIN STREET FOSTER HALL , BUFFALO, N Y 14214 Periodontitis and host defense in juvenile diabetes (human).

R23DE-07681-01 (OBM) COCHRAN, DAVID L, VIRGINIA COMMONWEALTH UNIV. , BOX 566, MCV STATION, RICHMOND, VA 23298 Cell growth and bone resorption in periodontal disease (rats, cattle).

R01DE-07686-01 (ALY) TAYLOR, CHRISTOPHER E, MEDICAL COLL OF PENNSYLVANIA , 3300 HENRY AVENUE, PHILADELPHIA, PA 19129 Regulation of antibody response to bacterial antigens (bacteria, mice).

P01DE-07687-04 (NSPB) FAULKNER, JOHN A, UNIVERSITY OF MICHIGAN, 7775 MEDICAL SCIENCE II BLDG. , ANN ARBOR, MICH 48109 Regeneration and transplantation of skeletal muscle.

P01DE-07687-04 0001 (NSPB) ALEXROD, DANIEL. Regeneration and transplantation of skeletal muscle--Molecular dynamics of synapse formation in regenerating muscle (rats).

P01DE-07687-04 0002 (NSPB) BARALD, KATE F. Regeneration and transplantation of skeletal muscle--Synapse formation in regenerating muscle (rats).

P01DE-07687-04 0003 (NSPB) CARLSON, BRUCE M. Regeneration and transplantation of skeletal muscle--Reinnervation of skeletal muscle autografts (rats).

PROJECT NO. REVIEW GROUP INVESTIGATOR, ADDRESS, AND TITLE

P01DE-07687-04 0004 (NSPB) FAULKNER, JOHN A. Regeneration and transplantation of skeletal muscle--Revascularization of skeletal muscle autografts (hamster, cat, dog, rats).

P01DE-07687-04 0005 (NSPB) GANS, CARL. Regeneration and transplantation of skeletal muscle--Electromyographic monitoring of autograft progress (cat, rat).

P01DE-07687-04 0006 (NSPB) JONES, GEORGE H. Regeneration and transplantation of skeletal muscle--Control of protein synthesis in regenerating muscle (rat).

P01DE-07687-04 0007 (NSPB) SCHWARTZ, JESSICA. Regeneration and transplantation of skeletal muscle--Hormonal regulation of muscle regeneration (rat).

P01DE-07687-04 0008 (NSPB) WHITE, TIMOTHY. Regeneration and transplantation of skeletal muscle--Adaptation of autografts to physical conditioning (rat).

P01DE-07687-04 9001 (NSPB) HANSEN-SMITH, FAY. Regeneration and transplantation of skeletal muscle--Morphology core.

P01DE-07687-04 9002 (NSPB) FAULKNER, JOHN A. Regeneration and transplantation of skeletal muscle--Physiology core.

R01DE-07688-01 (EVR) LAKE, PHILIP, GEORGETOWN UNIVERSITY HOSPITAL, 3800 RESERVOIR RD N W, WASHINGTON, D C 20007 Human T cell responses to herpes simplex virus antigens (human, mice).

R01DE-07690-01 (SSS) RICHARDSON, ELISHA R, UNIVERSITY OF COLORADO, 4200 EAST 9TH AVENUE BOX C 284, DENVER, CO 80262 Growth and development of the human head.

R23DE-07695-01 (OBM) CUSICK, CATHERINE G, TULANE UNIV MEDICAL SCHOOL, 1430 TULANE AVENUE, NEW ORLEANS, LA 70112 Organization of cortical tooth representations (monkeys).

R01DE-07696-01 (OBM) MOORE, PAUL A, UNIVERSITY OF PITTSBURGH, 541 SALK HALL, PITTSBURGH, PA 15261 Psychomotor impairment related to nitrous oxide exposure (human, rats).

R23DE-07710-01 (EVR) CARADONNA, SALVATORE J, UMDNJ-SOM DEPT OF BIOCHEMISTRY, P O BOX 55, PISCATAWAY, NJ 08854 New targets for anti-herpes simplex virus chemotherapy (rabbits).

R01DE-07713-04 (RAD) LURIE, ALAN G, UNIV OF CONNECTICUT HLTH CTR , DEPT OF ORAL DIAGNOSIS, FARMINGTON, CT 06032 Low-dose x-radiation effects on DMBA-DNA interactions.

R23DE-07793-01 (OBM) ZERO, DOMENICK T, EASTMAN DENTAL CENTER, 625 ELMWOOD AVENUE, ROCHESTER, N Y 14620 Glucan-mediated intraoral demineralization by S mutans (human).

R03DE-07826-01 (DSR) HANSEN-SMITH, FAY M, OAKLAND UNIVERSITY, DEPT OF BIOLOGICAL SCIENCES , ROCHESTER, MI 48063 Skeletal muscle basal laminae--Biochemical analyses (rats).

R01DE-07836-01 (OBM) DAO, MY LIEN, UNIV OF SOUTH FLORIDA, 801 6TH STREET SOUTH, ST. PETERSBURG, FL 33701 Surface protein antigens of cariogenic streptococci.

N01DE-12430-09 (**) DALGARD, DANIEL W, VIENNA, VIRGINIA Investigation of anticaries vaccine in primates.

N01DE-12431-06 (**) MELLBERG, JAMES R, ALBANY, NEW YORK Clinical trail of a combined MFP-NaF dentifrice.

N01DE-12433-05 (**) BANDT, CARL L, ST PAUL, MINNESOTA Phase contrast evaluation of subgingival plaque.

N01DE-22438-09 (**) BURT, BRIAN A, ANN ARBOR, MICHIGAN Relationship of dietary intake to caries incidence (human).

N01DE-22439-06 (**) DOGON, I LEON, BOSTON, MASSACHUSETTS Cost of combined sealant and self-applied fluoride program.

N01DE-32400-06 (**) RIPA, LOUIS W, STONY BROOK, NEW YORK NaF mouthrinsing for caries prevention.

N01DE-32441-08 (**) LEVERETT, DENNIS H, ROCHESTER, NEW YORK Effect of prenatal fluoride in preventing dental caries (human).

N01DE-32443-01 (**) EKLUND, STEPHEN A, ANN ARBOR, MICHIGAN Effect of severe dental fluorosis on the oral health.

N01DE-32444-02 (**) DAVIDSON, WILLIAM M, BALTIMORE, MARYLAND Pharmacology of intraoral fluoride-releasing device.

N01DE-32445-06 (**) FRAZIER, JEAN, MINNEAPOLIS, MINNESOTA National caries program.

N01DE-42500-06 (**) JACKSON, CLAUDE K, SILVER SPRING, MARYLAND Microbiological information system.

N01DE-42551-02 (**) MICHALEK, SUZANNE M, BIRMINGHAM, ALABAMA Develop antigens and adjuvants for carries immunity.

N01DE-42552-03 (**) CAUFIELD, PAGE W, BIRMINGHAM, ALABAMA Prevent maternal transmission of streptococcus mutans (humans).

N01DE-42553-07 (**) MAFFEO, CARLA E, ROCKVILLE, MARYLAND Epidemiologic survey of oral health in adults.

N01DE-52484-11 (**) YANKELL, SAMUEL L, PHILADELPHIA, PENNSYLVANIA Antiplaques/food additives/other agents--Anticaries.

N01DE-52554-01 (**) MURPHY, PETER, ROCKVILLE, MARYLAND Conferrence in support of NIDR R and D programs.

N01DE-52555-01 (**) TICE, THOMAS R, BIRMINGHAM, ALABAMA Methods for the intraoral fluroide-releasing device.

N01DE-52556-00 (**) BANDT, CARL L, ST PAUL, MINN Effect of brushing with fluoride gel on gingivitis.

N01DE-52557-00 (**) BOWEN, RAFAEL L, GAITHERSBURG, MARYLAND Clinical trial of an adhesive material.

N01DE-52558-00 (**) ALVARES, OLAV, SAN ANTONIO, TEXAS Clinical studies of periodontal diseases in older adult.

N01DE-52559-00 (**) MILLER, WILLIAM A, ALBANY, NEW YORK Clinical studies of periodontal diseases in older adults.

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number

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ABORTION
SEE PREGNANCY LOSS, ABORTION

ABRASION OF DENTAL MATERIALS
SEE DENTAL MATERIALS, WEAR

ABSCESS, DENTAL
SEE DENTAL ABSCESS

ABSORPTION
SEE BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT

ABSORPTION OF DIETARY NUTRIENTS
SEE GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT, DIETARY NUTRIENTS

ABSORPTION OF DRUGS
SEE GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT, DRUGS

ACANTHOLYSIS BULLOSA
SEE CONGENITAL ABNORMALITIES, SKIN, EPIDERMOLYSIS BULLOSA

ACANTHOSIS NIGRICANS
SEE SKIN DISORDERS, ACANTHOSIS NIGRICANS

ACCEPTANCE OF THERAPY
SEE THERAPY COMPLIANCE

ACETALDEHYDE
SEE ALDEHYDES, ACETALDEHYDE

ACETAMINOPHEN
SEE PHENYLAMIDES, ACETAMINOPHEN

ACETAZOLAMIDE
SEE SULFONAMIDES, ACETAZOLAMIDE

N-ACETYL-P-AMINOPHENOL
SEE PHENYLAMIDES, ACETAMINOPHEN

ACETYLCHOLINE
SEE CHOLINE, ACETYLCHOLINE

N-ACETYLGLUCOSAMINIDASES
SEE CARBOHYDRASES, N-ACETYLGLUCOSAMINIDASES

N-ACETYLMURAMIDE GLUCANOHYDROLASE
SEE CARBOHYDRASES, LYSOZYME

N-ACETYLNEURAMINIDASE
SEE CARBOHYDRASES, NEURAMINIDASE

ACETYLSALICYLATES
SEE PHENYLCARBOXYLATES, SALICYLATES, ACETYL-

ACHROMOBACTERACEAE
SEE BACTERIA, ACHROMOBACTERACEAE*

ACID-BASE BALANCE
SEE BODY FLUID BALANCE, ACID-BASE

ACID PHOSPHATASE
SEE PHOSPHOMONOESTERASES, ACID PHOSPHATASE

ACIDOSIS INHIBITORS
SEE BODY FLUID BALANCE, ACID-BASE, ANTIACIDOSIS DRUGS

ACIDS
SEE ACIDS-BASES, ACIDS (GENERAL)

ACIDS-BASES, ACIDS (GENERAL)
SEE ALSO NITROUS ACID
SEE ALSO PHOSPHATES
SEE ALSO PHOSPHONATES
SEE ALSO SULFENIC ACIDS
P50DE-02670-19 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
P50DE-02731-19 0037 Development support for dental research institute - Surface science laboratory

ACIDS-BASES, HYDROGEN-ION CONCENTRATION
SEE ALSO BODY FLUID BALANCE, ACID-BASE
SEE ALSO ELECTRODES, HYDROGEN*
R01DE-03578-14 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-06113-05 Determinants of fluoride in the oral environment (dogs, rats)
R01DE-06559-04 Quantitation of enamel demineralization mechanisms
R01DE-06644-03 Physiology of oral bacteria--Sugar, PH and F relations
R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
P50DE-07003-02 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
P50DE-07003-02 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)
** P50DE-07010-02 0003 Specialized caries research center - Radiotelemetric evaluation of interproximal plaque pH (human)
R03DE-07426-01 Calcium, fluoride and hydrogen ions in caries (human)

ACOUSTIC IMPEDANCE
SEE PHYSICAL PROPERTIES, SOUND IMPEDANCE

ACRYLIC POLYMERS (RESINS)
SEE PLASTICS, ACRYLIC POLYMERS

ACTIN
SEE MUSCLE PROTEINS (AND CONTRACTILE PROTEINS), ACTIN

ACTINOMYCES
SEE BACTERIA, ACTINOMYCETALES, ACTINOMYCES*

ACTINOMYCETACEAE
SEE BACTERIA, ACTINOMYCETALES, ACTINOMYCES*

ACTINOMYCETALES
SEE BACTERIA, ACTINOMYCETALES*

ACTINOMYCETALES INFECTIONS
SEE BACTERIAL DISEASES, ACTINOMYCETALES INFECTIONS

ACTINOMYCETES AND RELATED ORGANISMS
SEE BACTERIA, ACTINOMYCETALES*

ACTINOMYCOSIS
SEE BACTERIAL DISEASES, ACTINOMYCETALES INFECTIONS

ACTION POTENTIALS
SEE ELECTROPOTENTIALS, ACTION POTENTIALS

ACTIVATION OF LYMPHOCYTES
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

ACTIVE IMMUNIZATION
SEE IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION, ACTIVE

ACTIVE TRANSPORT
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT

ACUTE DISEASES (DISORDERS)
SEE DISEASES, ACUTE (GENERAL)

ACUTE LEUKEMIA
SEE NEOPLASMS OF BLOOD AND RE SYSTEM, LEUKEMIA ACUTE

ACUTE PHASE PROTEINS
SEE IMMUNOLOGY, ACUTE PHASE PROTEINS

ACUTE TREATMENT, DRUGS
SEE DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION

ADAPTATION, EMOTIONAL
SEE PSYCHOLOGICAL ADAPTATION, EMOTIONAL ADJUSTMENT

ADAPTATION, SOCIAL
SEE PSYCHOLOGY SOCIAL, SOCIAL ADJUSTMENT

ADAPTATION BIOLOGICAL, PHYSIOLOGICAL
SEE ENVIRONMENT, ADAPTATION

ADENOCARCINOMA
SEE NEOPLASMS, ADENOCARCINOMA

ADENOIDECTOMY
SEE SURGERY, OTOLARYNGOLOGIC, ADENOIDECTOMY

ADENOIDS
SEE ORAL-PHARYNGEAL, NASOPHARYNX, ADENOIDS

ADENOSINE DIPHOSPHATE
SEE PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, ADP

ADENOSINE MONOPHOSPHATE CYCLIC
SEE PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, AMP CYCLIC

ADENOSINE TRIPHOSPHATASE
SEE PHOSPHATASES, ADENOSINE TRIPHOSPHATASE

ADENOSINE TRIPHOSPHATE
SEE PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, ATP

ADENYLATE CYCLASE
SEE NUCLEOTIDYL-CYCLASES, ADENYLATE CYCLASE

ADH
SEE PITUITARY-DIENCEPHALON HORMONES, VASOPRESSIN

ADHESION
SEE PHYSICAL PROPERTIES, ADHESION

ADHESIVES
SEE CONSUMER PRODUCTS, GLUES AND ADHESIVES
SEE DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS

ADJUNCT HEALTH (CARE) PERSONNEL
SEE HEALTH SCIENCES PROFESSIONS, HEALTH (CARE) PERSONNEL ALLIED

ADJUSTMENT, EMOTIONAL
SEE PSYCHOLOGICAL ADAPTATION, EMOTIONAL ADJUSTMENT

ADJUSTMENT, SOCIAL
SEE PSYCHOLOGY SOCIAL, SOCIAL ADJUSTMENT

ADJUSTMENT TO ENVIRONMENT
SEE ENVIRONMENT, ADAPTATION

ADOLESCENCE
SEE CHILDREN, ADOLESCENCE (12 TO 21 YRS)

ADP
SEE PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, ADP

ADRENAL CORTEX HORMONES
R01DE-04622-09 Craniofacial anomalies and protein receptors (mice, rats)

ADRENAL CORTEX HORMONES, CORTISONE
P50DE-02668-19 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
R01DE-02774-17 Tissue interaction in palatal shelf closure (mice)
R03DE-07121-01 Acid production in craniofacial osteoclasts (mice)
R01DE-07686-01 Regulation of antibody response to bacterial antigens (bacteria, mice)

ADRENAL CORTEX HORMONES, 11-DEOXY-17-HYDROXYCORTICOSTERONE
R01DE-04622-09 Craniofacial anomalies and protein receptors (mice, rats)

ADRENAL CORTEX HORMONES, GLUCOCORTICOIDS
** R01DE-04622-09 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-06028-02 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R01DE-05553-03 Arachidonate metabolism and orofacial development (mice)

ADRENAL CORTEX HORMONES, HYDROCORTISONE
R01DE-04622-09 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-06216-03 Gene environment interactions in cleft lip mice (monkeys)

ADRENAL CORTEX HORMONES ANALOGS, DEXAMETHASONE
R01DE-06427-04 Permeability characteristics of dentin (dogs, human)
R03DE-06940-01 Comparisons of microvessels and osteoblasts in vitro

ADRENAL CORTEX HORMONES ANALOGS, METHYLPREDNISOLONE
R03DE-07170-01 Pharmacological control of post-operative swelling (human)

ADRENERGIC AGENTS
SEE NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC

ADRENERGIC ALPHA RECEPTOR AGENTS
SEE NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC, ADRENERGIC ALPHA

ADRENERGIC BETA RECEPTOR AGENTS
SEE NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC, ADRENERGIC BETA

ADRENERGIC RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS

ADRENERGIC ALPHA RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS, ALPHA RECEPTORS

ADRENERGIC BETA RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS, BETA RECEPTORS

ADSORPTION
SEE PHYSICAL PROPERTIES, ADSORPTION

ADULT ANIMAL
SEE AGE (ANIMAL), MATURE (ADULT)

ADULT-ONSET DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, NONINSULIN-DEPENDENT DIABETES

ADULTS
SEE AGE (HUMAN), ADULT

AEQUORIN
SEE PROTEINS, CALCIUM BINDING PROTEINS

AFFERENT NERVES
SEE NERVOUS SYSTEM, AFFERENT NERVES

AFRO AMERICANS
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, BLACK AMERICANS

AG
SEE METALS, HEAVY METALS, SILVER (COMPOUNDS)

AGAMMAGLOBULINEMIA AS IMMUNE DEFICIENCY DISORDER
SEE IMMUNOPATHOLOGY, IMMUNOLOGIC DEFICIENCY DISORDERS

AGB LOCUS (RATS)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

AGE (ANIMAL)
P01DE-01697-23 0040 A research program in craniofacial problems - Pattern recognition for reconstruction of nasal capsular anatomy (primates)
P50DE-02600-19 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
R01DE-03987-11 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-05632-05 Development of salivary gland secretory function (rats)

AGE (ANIMAL), INFANTS
P01DE-05837-05 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

AGE

R01DE-06955-02 Epidermal growth factor and tooth development (mice)

AGE (ANIMAL), INFANTS NEWBORN

R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
R01DE-06635-03 Tissue interactions and salivary cytodifferentiation (rats, rabbits)

AGE (ANIMAL), MATURE (ADULT)

R01DE-05379-05 Morphogenesis and maturation of craniofacial sutures (animals)

AGE (HUMAN)

SEE ALSO AGE (ANIMAL)
SEE ALSO CHILDREN
SEE ALSO PREGNANCY, EMBRYO-FETUS
SEE ALSO PREGNANCY, EMBRYO-FETUS, GESTATIONAL AGE
P50DE-02731-19 0021 Development support for dental research institute - Bacteriology laboratory (human)
P01DE-02847-17 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
P01DE-03610-19 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis
R01DE-03987-11 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-05410-06 Orthodontic treatment effects on craniofacial growth (human)
R01DE-06031-03 Population genetics of the Streptoccus mutans complex (human)
R01DE-06740-02 Human antibody responsiveness and dental caries
P50DE-07003-02 0006 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
R01DE-07204-01 Family studies of early onset periodontitis (human)
R01DE-07381-01 Prevalence of xerostomia--Relation to selected variables (human)
N01DE-22438-08 Relationship of dietary intake to caries incidence (human)

AGE (HUMAN), ADULT

SEE ALSO AGING
R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)
P01DE-06946-02 0007 Pathophysiology of MPD and other facial pain syndromes - Incidence of TMJ clicking in preothodontic patients
** R03DE-07124-01 Prevalence of 1 and 2 coronal caries in adults (human)
R03DE-07143-01 Sounds of normal and impaired swallow (humans)

AGE (HUMAN), ADULT, CENTENARIANS (100 YRS PLUS)

P50DE-07003-02 0006 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
R03DE-07290-01 Self-monitoring to improve oral health of depressed aged

AGE (HUMAN), ADULT, MIDDLE AGE (45 TO 64 YRS)

R01DE-05563-05 The blade implant--Clinical efficacy and safety (human)
R01DE-05990-02 Periodontitis, leukocyte function and diabetic status (human)
N01DE-42553-04 Epidemiologic survey of oral health in adults
** N01DE-52558-00 Clinical studies of periodontal diseases in older adult
** N01DE-52559-00 Clinical studies of periodontal diseases in older adults

AGE (HUMAN), ADULT, OLD AGE (65 TO 99 YRS)

R01DE-05990-02 Periodontitis, leukocyte function and diabetic status (human)
** R01DE-06437-03 Incidence and prevalence of root caries in the elderly (human)
** P50DE-07003-02 0006 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
P50DE-07010-02 0005 Specialized caries research center - Immunological investigation of root surface caries
R01DE-07030-01 Epidemiology, prevention and treatment of root caries (humans)
** R03DE-07283-01 Diabetes risk assessment in the elderly dental patient
R03DE-07290-01 Self-monitoring to improve oral health of depressed aged
N01DE-42553-04 Epidemiologic survey of oral health in adults
** N01DE-52558-00 Clinical studies of periodontal diseases in older adult
** N01DE-52559-00 Clinical studies of periodontal diseases in older adults

AGE (HUMAN), ADULT, YOUNG (21 TO 44 YRS)

P01DE-01850-22 0071 Nutritional sources and metabolic roles of fluoride - Daily dietary fluoride intake of children and young adults
P01DE-02847-17 0023 Microbial ecology and its relation to dental disease - Microbiota associated with periodontal disease: (human, rats, hamsters)
R01DE-05054-07 Periodontal disease--Microbiological studies (human)
R01DE-05563-05 The blade implant--Clinical efficacy and safety (human)
R01DE-05990-02 Periodontitis, leukocyte function and diabetic status (human)
N01DE-42553-04 Epidemiologic survey of oral health in adults
N01DE-52556-00 Effect of brushing with fluoride gel on gingivitis

AGE (HUMAN), CHILDREN

SEE CHILDREN

AGE AT PREGNANCY

SEE PREGNANCY, AGE AT PREGNANCY

AGGLUTINATION REACTION (AGGLUTININ)

SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, AGGLUTINATION REACTION (AGGLUTININ)*

AGGLUTININS

SEE IMMUNOLOGY, ANTIBODIES, AGGLUTININS

AGGLUTININS, PLANT

SEE PLANTS PROTEINS, LECTINS

AGGREGATION, CELLULAR

SEE CELL-CELL INTERACTION, CELL AGGREGATION

AGGRESSIVE OUTREACH

SEE HEALTH CARE SERVICES, CASE FINDING AND OUTREACH

AGING

SEE ALSO HEALTH CARE SERVICES FOR THE ELDERLY
P01DE-01850-22 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
** R01DE-02342-14 Normal and altered oral mucosa (rats)
P50DE-02668-19 0125 Regional dental research center - Significance of collagen crosslinks in tissue
P50DE-02731-19 0031 Development support for dental research institute - Biochemistry laboratory (human)
R01DE-04136-11 Maxillofacial materials--Color study (human)
** R01DE-05905-04 Neural organization of complex muscles (swine)
** R01DE-06951-02 Study of F actions on human root surface caries
** R03DE-07290-01 Self-monitoring to improve oral health of depressed aged
R01DE-07594-01 Enamel proteins

AGING, PREMATURE AGING

R23DE-06118-03 Acquired defects of the jaw joint (TMJ)--A model system (chickens, rabbits)

AGRICULTURE, FERTILIZERS

R13DE-07080-01 Gordon research conference on calcium phosphates, 1985

AIDS, HEALTH PERSONNEL

SEE HEALTH SCIENCES PROFESSIONS, HEALTH (CARE) PERSONNEL ALLIED

AIR CONDITIONING, HEATING, VENTILATION

SEE ENVIRONMENT CONTROLLED

AIR FLOWMETERS RESPIRATORY

SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

AIR POLLUTION

R03DE-07157-01 Studies on nitrous oxide teratogenesis (rats)

AL

SEE METALS, ALUMINUM (COMPOUNDS)

ALBERS-SCHOENBERG DISEASE

SEE METABOLIC DISORDERS INBORN, OSTEOPETROSIS

ALCOHOL CONSUMPTION

SEE ALCOHOLISM - DRINKING, ALCOHOL CONSUMPTION

ALCOHOLISM - DRINKING, ALCOHOL CONSUMPTION

P50DE-02668-19 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
R01DE-06519-01 Dental amalgams contribution to blood mercury levels
** R03DE-07406-01 Effect of ingested ethyl alcohol on oral epithelium (rat)

ALCOHOLS, ETHANOL

** R03DE-07149-01 Ethanol teratogenicity at early somite stages in mice

ALDEHYDES

P50DE-02668-19 0125 Regional dental research center - Significance of collagen crosslinks in tissue

ALDEHYDES, ACETALDEHYDE

R03DE-07149-01 Ethanol teratogenicity at early somite stages in mice

ALDEHYDES, FORMALDEHYDE

R03DE-06446-02 Bifunctional reagents as alternatives to formocresol (rats, dogs, rabbits)
R03DE-06714-02 New approach to fixation of human pulp and dentine

ALERTNESS-VIGILANCE

SEE PSYCHIC ACTIVITY LEVEL, ATTENTION

ALEXIN

SEE IMMUNOLOGY, COMPLEMENT

ALKALINE PHOSPHATASE

SEE PHOSPHOMONOESTERASES, ALKALINE PHOSPHATASE

ALKALOIDS, COLCHICINE

R01DE-03246-16 Biochemical mechanisms relevant to dentistry
R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
R01DE-04230-10 Comparative ultrastructure of mammalian amelogenesis (cats)
R01DE-06115-02 Protein phosphorylation in parotid gland secretion (rabbits)

ALKALOIDS, MORPHINES

R01DE-05369-07 Factors affecting dental postoperative pain (human)
R01DE-06894-01 Nitrous oxide and endorphins (rats)

ALKALOIDS, MORPHINES, NALOXONE

** R01DE-06894-01 Nitrous oxide and endorphins (rats)

ALKYL (GROUPS), METHYLATION-DEMETHYLATION

SEE ALSO ALKYL TRANSFER, TRANSMETHYLATION
R01DE-04971-07 Salivary mucins and dental diseases (human)
R01DE-05494-06 Activation of macrophages in periodontal disease (mice)
P50DE-07003-02 0002 Rochester caries research center - Immunochemical studies of actinomyces viscosus polysaccharides (rats)

N-ALKYLAMINO ACIDS

SEE AMINO ACIDS, N-ALKYLAMINO ACIDS

ALKYL TRANSFER, TRANSMETHYLATION

R01DE-03738-13 Humoral and cellular mediators of inflammation (human, mammals)

ALLANTOIC FLUID, MAMMALIAN

SEE PREGNANCY FLUIDS, ALLANTOIC FLUID

ALLERGY AND IMMUNOLOGY STUDY SECTION

** R01DE-06669-03 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
** R01DE-07686-01 Regulation of antibody response to bacterial antigens (bacteria, mice)

ALLIED HEALTH PERSONNEL

SEE HEALTH SCIENCES PROFESSIONS, HEALTH (CARE) PERSONNEL ALLIED

ALLOANTIGENS

SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

ALLOANTISERA

SEE IMMUNITY, IMMUNOSUPPRESSION, ALLOANTISERA

ALLOGENEIC TRANSPLANTATION

SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HOMOLOGOUS

ALLOGENIC INHIBITION, ANTISERA

SEE IMMUNITY, IMMUNOSUPPRESSION, ALLOANTISERA

ALLOGRAFT

SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HOMOLOGOUS

ALLOIMMUNITY

SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY

ALLOYS

SEE METALS, ALLOYS

ALPHA 2-AP-GLOBULIN

SEE IMMUNOLOGY, ACUTE PHASE PROTEINS

ALPHAHERPESVIRINAE

SEE VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE

ALPHA RECEPTORS

SEE NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS, ALPHA RECEPTORS

ALPHA WAVE (BIOFEEDBACK) CONDITIONING

SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

ALTERNATING ELECTRICAL FIELDS

SEE ELECTRICITY-MAGNETISM, ELECTRICAL FIELDS

ALUMINA

SEE METALS, ALUMINUM (COMPOUNDS), ALUMINUM OXIDE

ALUMINUM

SEE METALS, ALUMINUM (COMPOUNDS)

ALUMINUM (COMPOUNDS)

SEE METALS, ALUMINUM (COMPOUNDS)

ALUMINUM OXIDE

SEE METALS, ALUMINUM (COMPOUNDS), ALUMINUM OXIDE

ALVEOLUS, DENTAL

SEE DENTAL STRUCTURE, DENTAL ALVEOLUS

ALVEOLUS, LUNG

SEE RESPIRATORY SYSTEM, LUNG ALVEOLUS

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

(contd).

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AMALGAM
SEE DENTAL MATERIALS, AMALGAM DENTAL

2-AMBO-ALPHA-TOCOPHEROL
SEE VITAMINS, VITAMIN E, TOCOLS

AMELOBLASTS
SEE DENTAL STRUCTURE, AMELOBLASTS

AMERICAN INDIANS
SEE SOCIAL GROUPS, ETHNIC, AMERICAN INDIANS

AMERICAN TYPE CULTURE COLLECTION
SEE TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES

AMES MUTAGEN TEST
SEE GENETICS, MUTAGENS, MUTAGEN TESTS

AMIDES, UREA
R01DE-01554-24 Host factors in caries resistance (human, bacteria)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

AMIDINOHYDROLASES, ARGININE DEIMINASE
P50DE-07003-02 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)

AMIDOHYDROLASES, PENICILLINASE
** R01DE-06175-03 Beta-lactamases produced by periodontal bacteria

AMIDOTRANSFERASES (AMINOACYLTRANSFERASE)
SEE AMINOACYLTRANSFERASES

AMINE HORMONES
SEE CHOLINE, ACETYLCHOLINE
SEE PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE

AMINES, BIOGENIC, NEURAL
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

AMINES, DIAMINES
R03DE-07275-01 Measurement of polyamines in gingival crevicular fluid (human)

AMINES, POLYAMINES
R01DE-01554-24 Host factors in caries resistance (human, bacteria)
** R03DE-07275-01 Measurement of polyamines in gingival crevicular fluid (human)

AMINES, PUTRESCINE
R03DE-07275-01 Measurement of polyamines in gingival crevicular fluid (human)

AMINES, SPERMIDINE
R03DE-07275-01 Measurement of polyamines in gingival crevicular fluid (human)

AMINES, SPERMINE
R03DE-07275-01 Measurement of polyamines in gingival crevicular fluid (human)

AMINO ACIDS
SEE ALSO AMINO ACYL TRNA
SEE ALSO AMINOSULFONIC ACIDS
R01DE-06746-02 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
R23DE-06896-02 Nonenzymatic reactions in human dentin proteins
R01DE-06996-01 Biological molecules in the corrosion of dental alloys
R23DE-07384-01 Effects of chronic high fluoride on enamel development (rats)

AMINO ACIDS, N-ALKYLAMINO ACIDS
R01DE-06569-04 Quantitation of enamel demineralization mechanisms

AMINO ACIDS, GAMMA-AMINOBUTYRIC ACID
R23DE-07107-02 Cyclic nucleotides and prostaglandins in cleft palate (mice)

AMINO ACIDS, ETHYLENEDIAMINO ACIDS, EDTA
R01DE-06569-04 Quantitation of enamel demineralization mechanisms

AMINO ACIDS, GLYCINE
N01DE-52557-00 Clinical trial of an adhesive material

AMINO ACIDS, LIPOAMINO ACIDS
SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PHOSPHATIDYL SERINE

AMINO ACIDS, PHOSPHOSERINE
** R23DE-06896-02 Nonenzymatic reactions in human dentin proteins

AMINO ACIDS, SERINE
SEE ALSO AMINO ACIDS, PHOSPHOSERINE
SEE ALSO PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PHOSPHATIDYL SERINE
** R01DE-06952-02 Enamel secretory matrix protease (catte, rats)

AMINO ACIDS SEQUENCE
SEE PROTEINS-PEPTIDES STRUCTURE, AMINO ACIDS SEQUENCE

AMINO ACIDS TRANSPORT (GENERAL)
SEE ALSO AMINO ACYL TRNA
R23DE-07391-01 Insulin and protein synthesis in the rat gland

AMINO ACYL TRNA
R23DE-07391-01 Insulin and protein synthesis in the rat gland

AMINOACYLTRANSFERASES
R01DE-02342-14 Normal and altered oral mucosa (rats)

AMINOACYLTRANSFERASES, TRANSGLUTAMINASES
R01DE-05494-06 Activation of macrophages in periodontal disease (mice)

GAMMA-AMINOBUTYRIC ACID
SEE AMINO ACIDS, GAMMA-AMINOBUTYRIC ACID

3-(4-AMINO-2-METHYLPHYRIMDIN-5-YL METHYL)-5-(2-HYDROXYETHYL)-4-METHYLTHIAZOLIUM
SEE VITAMINS, THIAMIN

AMINOPOLYSACCHARIDES
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS

AMINO SUGARS
SEE CARBOHYDRATES, AMINO SUGARS

AMINOSULFONIC ACIDS
SEE ALSO SULFONAMIDES
R01DE-05476-05 Novel peptide derived sweeteners

AMITRIPTYLINE
SEE CYCLOHEPTANES, AMITRIPTYLINE

AMMONIA
R01DE-01554-24 Host factors in caries resistance (human, bacteria)
R23DE-06896-02 Nonenzymatic reactions in human dentin proteins
** P50DE-07003-02 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)

AMORPHOUS SOLIDS
SEE PHYSICAL PROPERTIES, SOLID STATE, AMORPHOUS SOLIDS

AMP CYCLIC
SEE PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, AMP CYCLIC

AMYLASE
SEE CARBOHYDRASES, AMYLASE

ALPHA-AMYLASE
SEE CARBOHYDRASES, ALPHA-AMYLASE

AMYLO-ALPHA 1,4-GLYCOSIDASE
SEE CARBOHYDRASES, ALPHA 1,4-GLUCAN GLUCOHYDROLASE

ANABOLIC FACTORS
SEE GROWTH FACTORS (INCL. ANABOLICS)

ANAEROBES, BACTERIAL
SEE MICROORGANISMS, ANAEROBES

ANAEROBIC MICROORGANISMS
SEE MICROORGANISMS, ANAEROBES

ANALGESIA
SEE SENSORY DEPRESSION, ANALGESIA

ANALGESICS
SEE NEUROPHARMACOLOGICAL AGENTS, ANALGESICS

ANALOGS OF ENZYME SUBSTRATES
SEE ENZYME SUBSTRATE ANALOGS

ANALOGS OF NUCLEOSIDE PHOSPHATES
SEE NUCLEOTIDES ANALOGS, NUCLEOSIDE PHOSPHATES ANALOGS

ANALOGS OF PHENYLALANINE
SEE CYCLIC AMINO ACIDS, PHENYLALANINE ANALOGS

ANALOGS OF URACIL
SEE PYRIMIDINES ANALOGS, URACIL ANALOGS

ANALOGS OF VITAMIN A
SEE VITAMINS, VITAMIN A ANALOGS

ANALYSIS AND/OR EVALUATION
SEE HEALTH CARE (SERVICES) (RESOURCES) ANALYSIS AND EVALUATION

ANALYTICAL CHEMISTRY
SEE CHEMISTRY, ANALYTICAL

ANATOMY (GENERAL)
SEE MORPHOLOGY (GENERAL)

ANATOMY MICROSCOPIC (HISTOLOGY)
SEE HISTOLOGY (GENERAL)*

ANDROGENS
SEE ANDROSTANE SERIES, ANDROGENS

ANDROSTANE SERIES, ANDROGENS
** P50DE-02668-19 0213 Regional dental research center - Action of androgen on submaxillary gland function
** R01DE-06848-02 Androgen control of salivary gland EGF in cleft palate (mice)
R03DE-07297-01 Mechanism of action of phenytoin (human, rats)

ANDROSTANE SERIES, TESTOSTERONE
R01DE-06848-02 Androgen control of salivary gland EGF in cleft palate (mice)

ANESTHESIA, DENTAL
SEE SENSORY DEPRESSION, ANESTHESIA DENTAL

ANESTHESIA, ELECTROANESTHESIA
SEE SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA

ANESTHESIA, GENERAL
SEE SENSORY DEPRESSION, ANESTHESIA (GENERAL), GENERAL ANESTHESIA

ANESTHESIA, INHALATION
SEE SENSORY DEPRESSION, ANESTHESIA (GENERAL), INHALATION

ANESTHESIA COMPLICATIONS
SEE DISEASES, COMPLICATIONS, ANESTHESIA RELATED

ANEURIN
SEE VITAMINS, THIAMIN

ANGIOTENSIN CONVERTING ENZYME
SEE PROTEASES AND PEPTIDASES, DIPEPTIDYL CARBOXYPEPTIDASE

ANIMAL AGE AND LIFE STAGES
SEE AGE (ANIMAL)

ANIMAL FEEDS
SEE FOOD, ANIMAL FEEDS

ANIMAL MODELS OF HUMAN DISEASES
SEE MODELS, DISEASE MODELS

ANIMALS (SEE SPECIFIC ANIMALS)
SEE AGE (ANIMAL)

ANIMALS, CHORDATES, VERTEBRATES*
SEE ALSO BIRDS*
R23DE-07190-01 Craniofacial ossification during anuran metamorphosis

ANIMALS EXTRACTS
SEE ALSO ENDOCRINOLOGY, SOCIAL HORMONES AND PHEROMONES
** R43DE-07266-01 Mytilus edulis polyphenolic protein--Adhesive system development

ANION
SEE IONS, ANION

ANKYLOSIS, SURGICAL
SEE SKELETAL DISORDERS, ORTHOPEDICS, ARTHRODESIS

ANOXIA
SEE RESPIRATORY GAS LEVELS, HYPOXIA

ANOXIA RESPIRATORY
SEE RESPIRATORY GAS LEVELS, HYPOXIA, RESPIRATORY

ANTAGONISM
SEE DRUGS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
SEE PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL)

ANTHROPOLOGY, PHYSICAL
SEE BODY PHYSICAL CHARACTERISTICS (GENERAL)

ANTHROPOMETRY
SEE BODY PHYSICAL CHARACTERISTICS (GENERAL)

ANTIACIDOSIS DRUGS
SEE BODY FLUID BALANCE, ACID-BASE, ANTIACIDOSIS DRUGS

ANTIBACTERIAL AGENTS
SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIBACTERIAL

ANTIBIOTICS
SEE ALSO COMMUNICABLE DISEASE CONTROL AGENTS
P01DE-02847-17 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
R01DE-03318-14 The molecular nature of gingival and mucosal collagen (rats)
P50DE-04898-09 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
** R01DE-05622-04 Rx for dental patients at risk for endocarditis (dentists)
R01DE-05793-04 Processing of procollagen to collagen (rabbit, chick embryo)
P50DE-07009-02 0001 Specialized caries research centers - Clinical studies of root caries (human)

ANTIBIOTICS, AMINOGLYCOSIDE ANTIBIOTICS, KANAMYCIN
R01DE-05334-05 Periodontal therapy by controlled local drug delivery (human)

ANTIBIOTICS, BACTERIOCINS
SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL
P01DE-02847-17 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)

(contd).

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**Oriented significantly to above subject.

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See Appendix for investigator's name and Grant

BEST COPY AVAILABLE

R01DE-04224-11 Studies on the genetics of oral microflora (rats)
R01DE-06082-03 Genetic analysis of streptococcus mutans cariogenicity

ANTIBIOTICS, CYCLOSPORIN A
** R01DE-06634-02 Cyclosporine in craniofacial composite tissue allografts (human, mammals)

ANTIBIOTICS, GRAMICIDIN (UNSPECIFIED)
R01DE-06127-03 Acid-base physiology of oral streptococci

ANTIBIOTICS, BETA LACTAMS, CEPHALOSPORIN C
R01DE-06175-03 Beta-lactamases produced by periodontal bacteria

ANTIBIOTICS, BETA-LACTAMS, CEPHALOSPORIN N
R01DE-06175-03 Beta-lactamases produced by periodontal bacteria

ANTIBIOTICS, BETA-LACTAMS, PENICILLIN
R01DE-05180-07 Regulation of surface synthesis in Streptococcus mutans
R01DE-06175-03 Beta-lactamases produced by periodontal bacteria
R01DE-07344-01 Black-pigmented bacteroides--Drug resistance and virulence

ANTIBIOTICS, BETA-LACTAMS, PENICILLIN G
** R23DE-07077-01 Cell surface regulation in a cariogenic streptococci

ANTIBIOTICS, LINCOMYCIN, CLINDAMYCIN
P50DE-07117-01 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology

ANTIBIOTICS, NYSTATIN
R01DE-05334-05 Periodontal therapy by controlled local drug delivery (human)

ANTIBIOTICS, STREPTOZOTOCIN
R23DE-07391-01 Insulin and protein synthesis in the rat gland

ANTIBIOTICS, TETRACYCLINE
R01DE-04230-10 Comparative ultrastructure of mammalian amelogenesis (cats)
P50DE-04898-09 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
R01DE-05334-05 Periodontal therapy by controlled local drug delivery (human)
R01DE-06514-04 Oral diseases and diabetes in the Gila River Indian Community
P50DE-07117-01 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology
R01DE-07344-01 Black-pigmented bacteroides--Drug resistance and virulence

ANTIBIOTICS, VALINOMYCIN
R01DE-02110-21 Study of salivary gland structure and function (mice, rats)

ANTIBODIES
SEE IMMUNOLOGY, ANTIBODIES

ANTIBODIES, BACTERIAL
SEE IMMUNOLOGY, ANTIBODIES BACTERIAL

ANTIBODIES, MICROBIAL
SEE IMMUNOLOGY, ANTIBODIES MICROBIAL

ANTIBODIES, VIRAL
SEE IMMUNOLOGY, ANTIBODIES VIRAL

ANTIBODIES CONJUGATED WITH DRUGS FOR THERAPY
SEE IMMUNITY, IMMUNOTHERAPY, IMMUNOCONJUGATES

ANTIBODY-ANTIGEN REACTIONS
SEE IMMUNOLOGY, ANTIGEN-ANTIBODY REACTIONS

ANTIBODY BIOSYNTHESIS
SEE IMMUNOLOGY, ANTIBODY FORMATION

ANTIBODY DIVERSITY
SEE IMMUNOLOGY, ANTIBODY FORMATION

ANTIBODY FORMATION
SEE IMMUNOLOGY, ANTIBODY FORMATION

ANTIBODY RECEPTORS
SEE IMMUNOLOGY, ANTIBODIES, ANTIBODY RECEPTORS

ANTIBODY SPECIFICITY
SEE IMMUNOLOGY, ANTIBODY SPECIFICITY

ANTIBODY STRUCTURE
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN STRUCTURE

ANTI-CARIES VACCINE
SEE VACCINES, BACTERIAL, ANTI-CARIES VACCINE

ANTICONVULSANTS
SEE NEUROPHARMACOLOGICAL AGENTS, ANTICONVULSANTS

ANTIDIURETIC HORMONE
SEE PITUITARY-DIENCEPHALON HORMONES, VASOPRESSIN

ANTIDIURETIN
SEE PITUITARY-DIENCEPHALON HORMONES, VASOPRESSIN

ANTIDROMIC IMPULSES
SEE NEUROPHYSIOLOGY, NEURAL TRANSMISSION, ANTIDROMIC IMPULSES

ANTIGEN-ANTIBODY REACTIONS
SEE IMMUNOLOGY, ANTIGEN-ANTIBODY REACTIONS

ANTIGENIC DETERMINANTS OF V REGION
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

ANTIGENS (HISTOCOMPATIBILITY) ASSOCIATED WITH DIABETES
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS), ANTIGENS OF DIABETES

ANTIGENS BACTERIAL
SEE IMMUNOLOGY, ANTIGENS BACTERIAL

ANTIGENS MICROBIAL
SEE IMMUNOLOGY, ANTIGENS MICROBIAL

ANTIGENS OF DIABETES
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS), ANTIGENS OF DIABETES

ANTIGENS VIRAL
SEE IMMUNOLOGY, ANTIGENS VIRAL

ANTIINFECTIVE AGENTS
SEE COMMUNICABLE DISEASE CONTROL AGENTS

ANTIINFECTIVE AGENTS, ANTIBACTERIAL
SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIBACTERIAL

ANTIINFLAMMATORY AGENTS
SEE DISEASES, PATHOLOGIC PROCESSES, INFLAMMATION, ANTIINFLAMMATORY AGENTS

ANTILEUKEMIC AGENTS
SEE NEOPLASTIC THERAPY, ANTINEOPLASTIC AGENTS, ANTILEUKEMIC

ANTIMICROBIAL AGENTS
SEE COMMUNICABLE DISEASE CONTROL AGENTS

ANTIMICROBIAL ANTIBODIES
SEE IMMUNOLOGY, ANTIBODIES MICROBIAL

ANTINUCLEAR FACTORS
SEE IMMUNOPATHOLOGY, AUTOANTIBODIES, ANTINUCLEAR FACTORS

ANTITHROMBIN
SEE BLOOD COAGULATION, ANTITHROMBINS

ANTITHROMBINS
SEE BLOOD COAGULATION, ANTITHROMBINS

ANTIVIRAL AGENTS
SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIVIRAL

ANTIVIRAL ANTIBODIES
SEE IMMUNOLOGY, ANTIBODIES VIRAL

ANXIETY
SEE PSYCHOLOGY, EMOTIONS, ANXIETY

ANXIETY, DENTAL
SEE DENTAL FEAR AND ANXIETY

ANXIOLYTICS
SEE PSYCHOPHARMACOLOGICAL AGENTS, TRANQUILIZERS

AP ENDONUCLEASES
SEE NUCLEASES, REPAIR NUCLEASES

APATITES
SEE CALCIUM PHOSPHATES, APATITES

APHTHOUS STOMATITIS
SEE ORAL-PHARYNGEAL DISORDERS, STOMATITIS, APHTHOUS

APPENDAGES
SEE SKELETAL SYSTEM, LIMB

AQUEORIN
SEE PROTEINS, CALCIUM BINDING PROTEINS

ARACHIDONIC ACID
SEE FATTY ACIDS, EICOSANOIDS, ARACHIDONIC ACID

ARACHNODACTYLY
SEE METABOLIC DISORDERS INBORN, MARFAN SYNDROME

ARGININE
SEE DIAMINO ACIDS, ARGININE

ARGININE DEIMINASE
SEE AMIDINOHYDROLASES, ARGININE DEIMINASE

AROUSAL
SEE PSYCHIC ACTIVITY LEVEL, AROUSAL

ARTERENOL
SEE PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE

ARTHRITIS
SEE SKELETAL DISORDERS, ARTHRITIS

ARTHRITIS, RHEUMATOID
SEE SKELETAL DISORDERS, ARTHRITIS, RHEUMATOID

ARTHROBACTER
SEE BACTERIA, CORYNEFORM GROUP, ARTHROBACTER*

ARTHRODESIS
SEE SKELETAL DISORDERS, ORTHOPEDICS, ARTHRODESIS

ARTIFICIAL INTELLIGENCE
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

ARTIFICIAL TOOTH SOCKET IMPLANT
SEE DENTAL PROSTHESIS, DENTAL IMPLANT ENDOSSEOUS

ARYLSULFATASES
SEE SULFATASES, ARYLSULFATASES

ASCORBATES
SEE VITAMINS, VITAMIN C (GENERAL)

ASCORBIC ACID
SEE VITAMINS, VITAMIN C, ASCORBIC ACID

ASCORBIC ACID DEFICIENCY
SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS C

ASIAN-AMERICANS
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, ASIAN AMERICANS

ASPARTAME
SEE FOOD, SWEETENING AGENTS

ASPARTIC ACID
SEE DICARBOXYLIC AMINO ACIDS, ASPARTIC ACID

ASPIRIN
SEE PHENYLCARBOXYLATES, SALICYLATES, ACETYL-

ASSAY
SEE RADIOASSAY (RADIOMETRY)

ASSOCIATION (REACTIONS) CHEMISTRY
SEE CHEMICAL REACTIONS, DISSOCIATION-ASSOCIATION

ATARAXIC DRUGS
SEE PSYCHOPHARMACOLOGICAL AGENTS, TRANQUILIZERS

ATHEROSCLEROSIS
SEE CARDIOVASCULAR DISORDERS, ARTERIOSCLEROSIS, ATHEROSCLEROSIS

ATP
SEE PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, ATP

ATPASE
SEE PHOSPHATASES, ADENOSINE TRIPHOSPHATASE

ATP PHOSPHOHYDROLASE
SEE PHOSPHATASES, ADENOSINE TRIPHOSPHATASE

ATP:PYRUVATE PHOSPHOTRANSFERASE
SEE PHOSPHOTRANSFERASES, ATP:PYRUVATE PHOSPHOTRANSFERASE

ATROPINE
SEE TROPANES, ATROPINE

ATTENTION
SEE PSYCHIC ACTIVITY LEVEL, ATTENTION

ATTITUDE TO HEALTH AND HEALTH PROBLEMS
SEE PSYCHOLOGY, ATTITUDE TO HEALTH AND HEALTH PROBLEMS

AU
SEE METALS, HEAVY METALS, GOLD (COMPOUNDS)

AUDIOSTIMULUS
SEE EAR, HEARING, AUDIOSTIMULUS

AUTACOIDS
SEE IMIDAZOLES, HISTAMINE
SEE PHENYLALKYLAMINES, CATECHOLAMINES

AUTOGENEIC TRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION AUTOLOGOUS

AUTOGENIC CONDITIONING (TRAINING)
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

AUTOGRAFT
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION AUTOLOGOUS

AUTOLOGOUS TRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION AUTOLOGOUS

AUTONOMIC CONDITIONING
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

AUTONOMIC NERVOUS SYSTEM
SEE NERVOUS SYSTEM AUTONOMIC

AUTONOMY, EMOTIONAL
SEE PSYCHOLOGY, EMOTIONAL DEPENDENCY-INDEPENDENCY

AUTONOMY (SOCIAL SELF-RELIANCE)
SEE SOCIAL SELF-RELIANCE, DEPENDENCY-INDEPENDENCY

AUTOPROTHROMBIN III
SEE BLOOD COAGULATION, FACTOR X

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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AUTORADIOGRAPHY
SEE RADIOAUTOGRAPHY*

AUTOSOMAL DOMINANT CONDITIONS
SEE GENETIC DISORDERS, AUTOSOMAL DOMINANT CONDITIONS

AUTOSOMAL RECESSIVE CONDITIONS
SEE GENETIC DISORDERS, AUTOSOMAL RECESSIVE CONDITIONS

AUTOTRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION AUTOLOGOUS

AUXILIARY HEALTH (CARE) PERSONNEL
SEE HEALTH SCIENCES PROFESSIONS, HEALTH (CARE) PERSONNEL ALLIED

AXEROL
SEE VITAMINS, VITAMIN A, ALL-TRANS RETINOL

AXONS
SEE NERVOUS SYSTEM, NEURONS, AXONS

AZEPINES, BENZODIAZEPINES, DIAZEPAM
R01DE-04622-09 Craniofacial anomalies and protein receptors (mice, rats)
P01DE-06946-02 0005 Pathophysiology of MPD and other facial pain syndromes - Diazepam, chlorazepate, carisprodol in MPD syndrome chemotherapy (human)

B LOCUS (CHICKEN)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

B LYMPHOCYTES
SEE BLOOD CELLS, B LYMPHOCYTES

BA
SEE METALS, ALKALINE EARTH METALS, BARIUM (COMPOUNDS)

BABY FOODS
SEE FOOD, INFANT FOODS

BACILLUS PILIFORMIS
SEE BACTERIA, GRAM-NEGATIVE*

BACILLUS SUBTILIS
SEE BACTERIA, BACILLACEAE, BACILLUS SUBTILIS*

BACKGROUND RADIATION FROM ENVIRONMENT
SEE RADIOLOGICAL HEALTH, RADIATION ENVIRONMENTAL

BACTEREMIA
SEE BLOOD TOXICOLOGY, BACTEREMIA-SEPTICEMIA

BACTERIA (GENERAL)*
SEE ALSO GENETICS, MICROBIAL, BACTERIAL
SEE ALSO MICROBIAL ORAL FLORA
SEE ALSO PIGMENTS, BACTERIAL
** P50DE-02623-18 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
** P50DE-02623-18 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
** P50DE-02623-18 0034 Center for oral health research - Bacterial components inducing bone resroption
** P50DE-02623-18 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
** P50DE-02731-19 0021 Development support for dental research institute - Bacteriology laboratory (human)
R01DE-05054-07 Periodontal disease--Microbiological studies (human)
R01DE-05640-05 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05990-02 Periodontitis, leukocyte function and diabetic status (human)
** R01DE-06014-04 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
** R23DE-06640-03 Neutrophil defects induced by oral bacterial products
** R01DE-06644-03 Physiology of oral bacteria--Sugar, PH and F relations
** R01DE-06744-02 Adherence of oral bacteria to cell surface components (humans, rabbits)
** R01DE-06949-01 In vitro bone resorption by products of oral bacteria (animals)
** P50DE-07010-02 0007 Specialized caries research center - Bacterial interrelationships in an animal model (rats)
** R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)

BACTERIA, ACHROMOBACTERACEAE*
R03DE-07051-01 HPLC analysis of purine nucleosides in crevicular fluid

BACTERIA, ACTINOMYCETALES*
R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)

BACTERIA, ACTINOMYCETALES, ACTINOMYCES*
P50DE-02600-19 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
P50DE-02731-19 0035 Development support for dental research institute - Immunology laboratory
P01DE-02847-17 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
R01DE-04614-09 Adherence of oral streptococci to hydroxyapatite
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
P50DE-04898-09 0002 Periodontal disease research center - Host response in periodontal disease (human)
P50DE-05139-08 0001 Clinical research center for periodontal disease - Microbiology (human)
P50DE-05139-08 0002 Clinical research center for periodontal disease - Immunological investigations (human)
** R01DE-05991-05 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
R01DE-06644-03 Physiology of oral bacteria--Sugar, PH and F relations
R23DE-06757-02 Myeloperoxidase selective killing of oral bacteria (rabbits)
R23DE-06945-03 Identification of microbial lectins (rabbits)
** P50DE-07003-02 0002 Rochester caries research center - Immunochemical studies of actinomyces viscosus polysaccharides (rats)
P50DE-07009-02 0002 Specialized caries research centers - Microbial etiology of root surface caries (human, rats)
P50DE-07009-02 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
P50DE-07009-02 0005 Specialized caries research centers - Physical, chemical and microbiological aspects of root caries formation (human)
** P50DE-07009-02 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)
P50DE-07010-02 0005 Specialized caries research center - Immunological investigation of root surface caries
P50DE-07010-02 0007 Specialized caries research center - Bacterial interrelationships in an animal model (rats)
R03DE-07140-01 In vitro interactions of bacteria from periodontitis
R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R23DE-07256-02 Attachment protein interaction with periodontal bacteria (mice)
** R03DE-07313-01 Ligand receptor interactions of actinomyces viscosus (human, rabbit)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

BACTERIA, ACTINOMYCETALES, BACTERIONEMA*
R01DE-06555-03 Cell surface interactions of oral plaque bacteria (rabbits)

BACTERIA, ACTINOMYCETALES, LEPTOTRICHIA*
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
P50DE-04898-09 0002 Periodontal disease research center - Host response in periodontal disease (human)
R23DE-06945-03 Identification of microbial lectins (rabbits)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

BACTERIA, BACILLACEAE, BACILLUS SUBTILIS*
P50DE-07003-02 0003 Rochester caries research center - Genetics of Streptococcus mutans

BACTERIA, BACTEROIDACEAE, BACTEROIDES*
P50DE-02600-19 0047 Support for oral biology research center - Clinical research on periodontal diseases
R01DE-03488-14 Microbial composition of developing dental plaque (human, bacteria)
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
P50DE-05139-08 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-06030-04 Metronidazole therapy in periodontal disease (human)
R23DE-06757-02 Myeloperoxidase selective killing of oral bacteria (rabbits)
** R01DE-06880-02 Host defense mechanism to oral bacteria (mice, rabbits, human)
P50DE-07117-01 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology
P50DE-07117-01 0003 Periodontal disease research center - Two monitored patient groups--Immunology
** P50DE-07117-01 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R23DE-07256-02 Attachment protein interaction with periodontal bacteria (mice)
R01DE-07267-02 Periodontopathic bacteria--Chemical-biologic nature (animals)
** R01DE-07344-01 Black-pigmented bacteroides--Drug resistance and virulence

BACTERIA, BACTEROIDACEAE, BACTEROIDES MELANINOGENICUS*
P50DE-02731-19 0035 Development support for dental research institute - Immunology laboratory
P01DE-02847-17 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
P50DE-04898-09 0002 Periodontal disease research center - Host response in periodontal disease (human)
R01DE-06551-02 Stress, host factors, and acute necrotizing gingivitis (human)
R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

BACTERIA, BACTEROIDACEAE, FUSOBACTERIA*
P50DE-02600-19 0047 Support for oral biology research center - Clinical research on periodontal diseases
R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
R01DE-06014-04 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
R01DE-06555-03 Cell surface interactions of oral plaque bacteria (rabbits)
R23DE-06757-02 Myeloperoxidase selective killing of oral bacteria (rabbits)
R23DE-06945-03 Identification of microbial lectins (rabbits)
P50DE-07117-01 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology
R03DE-07140-01 In vitro interactions of bacteria from periodontitis
R23DE-07256-02 Attachment protein interaction with periodontal bacteria (mice)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

BACTERIA, BRUCELLACEAE, HEMOPHILUS*
R23DE-06757-02 Myeloperoxidase selective killing of oral bacteria (rabbits)
R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)

BACTERIA, CORYNEFORM GROUP, ARTHROBACTER*
P50DE-07009-02 0005 Specialized caries research centers - Physical, chemical and microbiological aspects of root caries formation (human)

BACTERIA, ENTERIC (GENERAL)*
SEE ALSO BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS, ENTEROCOCCUS GROUP*
R01DE-06669-03 Antigen delivery system design for host defense analysis (rodent, human, rabbit)

BACTERIA, ENTEROBACTERIACEAE, ESCHERICHIA COLI*
R03DE-06814-02 Transposon mutagenesis of the oral streptococci
P50DE-07003-02 0003 Rochester caries research center - Genetics of Streptococcus mutans
R01DE-07218-01 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

BACTERIA, ENTEROBACTERIACEAE, SALMONELLA*
P50DE-02623-18 0034 Center for oral health research - Bacterial components inducing bone resroption

BACTERIA, ENTEROBACTERIACEAE, SALMONELLA TYPHIMURIUM*
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

BACTERIA, ENTEROBACTERIACEAE, SERRATIA MARCESCENS*
P50DE-02623-18 0034 Center for oral health research - Bacterial components inducing bone resroption

BACTERIA, GRAM-NEGATIVE*
SEE ALSO BACTERIA, ACHROMOBACTERACEAE*
P50DE-02600-19 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
** P50DE-02600-19 0045 Support for oral biology research center - Colonization by oral gram negative anaerobic bacteria
R01DE-03488-14 Microbial composition of developing dental plaque (human, bacteria)
R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
P50DE-05139-08 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05640-05 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-06555-03 Cell surface interactions of oral plaque bacteria (rabbits)
R01DE-06880-02 Host defense mechanism to oral bacteria (mice, rabbits, human)
R01DE-06989-01 Neutrophil function in periodontal disease (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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** R01DE-07267-02 Periodontopathic bacteria--Chemical-biologic nature (animals)
R03DE-07314-01 Genetics of streptococcus sanguis (rats)
R01DE-07344-01 Black-pigmented bacteroides--Drug resistance and virulence
** R43DE-07528-01 Immuno-diagnostic probe for periodontitis

BACTERIA, GRAM-POSITIVE*
SEE ALSO BACTERIA, ACTINOMYCETALES, ACTINOMYCES*
SEE ALSO BACTERIA, ACTINOMYCETALES, BACTEPIONEMA*
SEE ALSO BACTERIA, STREPTOCOCCACEAE*
R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
P50DE-05139-08 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-06555-03 Cell surface interactions of oral plaque bacteria (rabbits)
R23DE-07077-01 Cell surface regulation in a cariogenic streptococci
** R03DE-07313-01 Ligand receptor interactions of actinomyces viscosus (human, rabbit)

BACTERIA, LACTOBACILLACEAE, LACTOBACILLUS*
R01DE-03917-10 Fluoride and the metabolism of plaque bacteria
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
R01DE-06127-03 Acid-base physiology of oral streptococci
P50DE-07003-02 0008 Rochester caries research center - Identifying caries susceptible subjects

BACTERIA, LACTOBACILLACEAE, LACTOBACILLUS CASEI*
P50DE-07010-02 0007 Specialized caries research center - Bacterial interrelationships in an animal model (rats)

BACTERIA, MICROCOCCACEAE, STAPHYLOCOCCUS AUREUS*
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

BACTERIA, NEISSERIACEAE, VEILLONELLA*
R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

BACTERIA, PROPIONIBACTERIACEAE, PROPIONIBACTERIUM*
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

BACTERIA, PSEUDOMONADALES, SPIRILLACEAE*
SEE ALSO BACTERIA, PSEUDOMONADALES, VIBRIO*
P01DE-02847-17 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)

BACTERIA, PSEUDOMONADALES, VIBRIO*
P01DE-02847-17 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
P50DE-05139-08 0001 Clinical research center for periodontal disease - Microbiology (human)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

BACTERIA, SPIROCHETES*
P50DE-02600-19 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
R01DE-03488-14 Microbial composition of developing dental plaque (human, bacteria)
** R01DE-04645-08 A genetic-biochemical analysis of spirochete motility (mice)
R01DE-05054-07 Periodontal disease--Microbiological studies (human)
P50DE-05139-08 0001 Clinical research center for periodontal disease - Microbiology (human)
** R01DE-05144-06 Periodontal disease--Role of spirochetes (rabbits)
R01DE-06085-03 Interaction of oral spirochetes with periodontal tissues (human, rats)
R01DE-06551-02 Stress, host factors, and acute necrotizing gingivitis (human)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

BACTERIA, SPIROCHETES, LEPTOSPIRA*
R01DE-04645-08 A genetic-biochemical analysis of spirochete motility (mice)

BACTERIA, SPIROCHETES, TREPONEMA*
R01DE-04645-08 A genetic-biochemical analysis of spirochete motility (mice)
P50DE-05139-08 0001 Clinical research center for periodontal disease - Microbiology (human)
R01DE-06014-04 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
R03DE-07140-01 In vitro interactions of bacteria from periodontitis

BACTERIA, STREPTOCOCCACEAE*
** R01DE-04614-09 Adherence of oral streptococci to hydroxyapatite
** R03DE-06814-02 Transposon mutagenesis of the oral streptococci

BACTERIA, STREPTOCOCCACEAE, LEUCONOSTOC*
R01DE-03578-14 Biosynthetic study of dental plaque polysaccharides (bacteria)

BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS*
SEE ALSO BACTERIAL DISEASES, STREPTOCOCCAL INFECTIONS
** P50DE-02731-19 0019 Development support for dental research institute - Molecular biology laboratory
** R01DE-03180-15 Microbiologic studies of the human oral streptococci (also rabbits)
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
** R01DE-06127-03 Acid-base physiology of oral streptococci
** R01DE-06395-03 Molecular basis of the ecology of oral streptococci
P50DE-07009-02 0002 Specialized caries research centers - Microbial etiology of root surface caries (human, rats)
P50DE-07009-02 0005 Specialized caries research centers - Physical, chemical and microbiological aspects of root caries formation (human)
P50DE-07010-02 0005 Specialized caries research center - Immunological investigation of root surface caries
** R01DE-07126-02 Molecular taxonomy of non-hemolytic streptococci
R03DE-07140-01 In vitro interactions of bacteria from periodontitis
** R01DE-07199-01 Adherence factors of oral streptococci (human)
R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)

BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS, ENTEROCOCCUS GROUP*
R01DE-06039-03 Properties of lipoteichoic acids from cariogenic bacteria
R01DE-06127-03 Acid-base physiology of oral streptococci

BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS, VIRIDANS GROUP*
SEE ALSO BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS MITIS*
SEE ALSO BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS SALIVARIUS
R01DE-03180-15 Microbiologic studies of the human oral streptococci (also rabbits)

BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS GROUP A*
R01DE-06039-03 Properties of lipoteichoic acids from cariogenic bacteria
R01DE-06051-04 Membranes of the dental pathogen Streptococcus mutans (rabbits)
R01DE-07218-01 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS MITIS*
R01DE-03180-15 Microbiologic studies of the human oral streptococci (also rabbits)
R01DE-06395-03 Molecular basis of the ecology of oral streptococci
R01DE-06644-03 Physiology of oral bacteria--Sugar, PH and F relations
R01DE-07126-02 Molecular taxonomy of non-hemolytic streptococci
R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)

BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS MUTANS*
** P50DE-02670-19 0018 Institute of dental research - Immune response to Streptococcus mutans
** P50DE-02670-19 0037 Institute of dental research - IgA responses to S mutans--Induction and regulation
** P50DE-02670-19 0040 Institute of dental research - Streptococcus mutans strains common to mother and child (mammals)
P01DE-02847-17 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
R01DE-03180-15 Microbiologic studies of the human oral streptococci (also rabbits)
** R01DE-03258-14 Cloning of streptococcus mutans genes (human, rabbits)
** R01DE-03487-14 Inhibition of human cariogenic streptococci
R01DE-03578-14 Biosynthetic study of dental plaque polysaccharides (bacteria)
** R01DE-03758-11 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
R01DE-03917-10 Fluoride and the metabolism of plaque bacteria
R01DE-04217-11 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-04235-09 Peroxidase in saliva and prevention of oral disease (human, S mutants)
** R01DE-04321-11 Cell adherence of dental plaque forming streptococci (rabbits)
** R01DE-04733-08 Secretory immune response and S mutans glucosyltransferase (mammals)
** R01DE-05180-07 Regulation of surface synthesis in Streptococcus mutans
** R01DE-05696-05 Streptococcus mutans interaction with animal tissue (human, rabbits)
** R01DE-05966-04 Mechanisms of sugar transport in streptococcus mutans
** R01DE-06031-03 Population genetics of the Streptoccus mutans complex (human)
R01DE-06039-03 Properties of lipoteichoic acids from cariogenic bacteria
** R01DE-06051-04 Membranes of the dental pathogen Streptococcus mutans (rabbits)
** R01DE-06071-02 Calcium metabolism in Streptococcus mutans
** R01DE-06082-03 Genetic analysis of streptococcus mutans cariogenicity
R01DE-06113-05 Determinants of fluoride in the oral environment (dogs, rats)
R01DE-06127-03 Acid-base physiology of oral streptococci
** R01DE-06153-04 Antibody to glucosyltransferase in adults and children
R01DE-06395-03 Molecular basis of the ecology of oral streptococci
R01DE-06644-03 Physiology of oral bacteria--Sugar, PH and F relations
** R01DE-06673-03 Genetic and biochemical bases for S mutans virulence (rabbits)
** R01DE-06746-02 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
** R01DE-06801-03 Mutants to study S mutans pathogenicity (mammals)
R23DE-06945-03 Identification of microbial lectins (rabbits)
** R01DE-06962-02 Surface protein antigens of cariogenic streptococci
P50DE-07003-02 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
** P50DE-07003-02 0003 Rochester caries research center - Genetics of Streptococcus mutans
P50DE-07009-02 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
P50DE-07009-02 0005 Specialized caries research centers - Physical, chemical and microbiological aspects of root caries formation (human)
P50DE-07010-02 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents
P50DE-07010-02 0007 Specialized caries research center - Bacterial interrelationships in an animal model (rats)
** R23DE-07077-01 Cell surface regulation in a cariogenic streptococci
** R03DE-07146-01 Biochemistry of Streptococcus mutans ribosomes (rabbits)
R01DE-07199-01 Adherence factors of oral streptococci (human)
R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
** R23DE-07318-01 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
** R23DE-07388-01 Glucan-mediated intraoral demineralization by S mutans (human)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)
** N01DE-42551-01 Develop antigens and adjuvants for carries immunity
** N01DE-42552-02 Prevent maternal transmission of streptococcus mutans (humans)

BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS SALIVARIUS
R01DE-03917-10 Fluoride and the metabolism of plaque bacteria
R01DE-06395-03 Molecular basis of the ecology of oral streptococci
R01DE-07126-02 Molecular taxonomy of non-hemolytic streptococci
R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)

BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS SANGUIS*
P50DE-02623-18 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
R01DE-03180-15 Microbiologic studies of the human oral streptococci (also rabbits)
** R01DE-03731-10 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03917-10 Fluoride and the metabolism of plaque bacteria
** R01DE-04224-11 Studies on the genetics of oral microflora (rats)
R01DE-04614-09 Adherence of oral streptococci to hydroxyapatite
P50DE-05139-08 0002 Clinical research center for periodontal disease - Immunological investigations (human)

(contd).

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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** R01DE-05501-04 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
** R01DE-05606-05 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
R01DE-06082-03 Genetic analysis of streptococcus mutans cariogenicity
R01DE-06127-03 Acid-base physiology of oral streptococci
R01DE-06395-03 Molecular basis of the ecology of oral streptococci
R01DE-06551-02 Stress, host factors, and acute necrotizing gingivitis (human)
R01DE-06555-03 Cell surface interactions of oral plaque bacteria (rabbits)
R01DE-06644-03 Physiology of oral bacteria--Sugar, PH and F relations
** R01DE-06748-02 Synthesis and function of polymers in oral bacteria (rats)
R03DE-06814-02 Transposon mutagenesis of the oral streptococci
R23DE-06945-03 Identification of microbial lectins (rabbits)
** P50DE-07003-02 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
P50DE-07009-02 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
R01DE-07126-02 Molecular taxonomy of non-hemolytic streptococci
R01DE-07199-01 Adherence factors of oral streptococci (human)
R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R01DE-07257-02 IgA protease and dental caries
** R03DE-07303-01 Consequences of bacteremia in atherosclerotic animals (rabbits, dogs)
** R03DE-07314-01 Genetics of streptococcus sanguis (rats)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

BACTERIA, SPIRAL AND CURVED
SEE BACTERIA, PSEUDOMONADALES, SPIRILLACEAE*

BACTERIAL ANTIBODIES
SEE IMMUNOLOGY, ANTIBODIES BACTERIAL

BACTERIAL ANTIGENS
SEE IMMUNOLOGY, ANTIGENS BACTERIAL

BACTERIAL CAPSULE
R01DE-07267-02 Periodontopathic bacteria--Chemical-biologic nature (animals)

BACTERIAL DISEASES
SEE ALSO BLOOD TOXICOLOGY, BACTEREMIA-SEPTICEMIA
SEE ALSO COMMUNICABLE DISEASE CONTROL AGENTS, ANTIBACTERIAL
SEE ALSO IMMUNOLOGY, ANTIBODIES BACTERIAL
SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL
SEE ALSO TOXICOLOGY, BACTERIAL
** R01DE-03917-10 Fluoride and the metabolism of plaque bacteria
R01DE-05991-05 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
R01DE-06175-03 Beta-lactamases produced by periodontal bacteria
** R01DE-07128-02 Microbiology of ligature-induced periodontitis (monkeys)

BACTERIAL DISEASES, ACTINOMYCETALES INFECTIONS
** R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)

BACTERIAL DISEASES, CYTOPATHOGENIC EFFECT BACTERIAL
R01DE-06085-03 Interaction of oral spirochetes with periodontal tissues (human, rats)
P50DE-07118-01 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection

BACTERIAL DISEASES, SPIROCHETAL DISEASES (GENERAL)
** R01DE-06085-03 Interaction of oral spirochetes with periodontal tissues (human, rats)
** R01DE-07128-02 Microbiology of ligature-induced periodontitis (monkeys)

BACTERIAL DISEASES, STREPTOCOCCAL INFECTIONS
SEE ALSO BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS*
** R01DE-05501-04 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
R01DE-07126-02 Molecular taxonomy of non-hemolytic streptococci
R03DE-07314-01 Genetics of streptococcus sanguis (rats)
N01DE-42552-02 Prevent maternal transmission of streptococcus mutans (humans)

BACTERIAL DNA
SEE NUCLEIC ACIDS, DNA BACTERIAL

BACTERIAL ENDOCARDITIS
SEE HEART DISORDERS, ENDOCARDITIS BACTERIAL

BACTERIAL GENETICS
SEE GENETICS, MICROBIAL, BACTERIAL

BACTERIAL PERMEASES
SEE BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS, PERMEASES

BACTERIAL PIGMENTS
SEE PIGMENTS, BACTERIAL

BACTERIAL POLYSACCHARIDES
SEE POLYSACCHARIDES, BACTERIAL (GENERAL)

BACTERIAL PROTEINS
SEE PROTEINS, BACTERIAL (GENERAL)

BACTERIAL TOXICOLOGY
SEE TOXICOLOGY, BACTERIAL

BACTERIAL TOXINS
SEE IMMUNOLOGY, ANTIGENS BACTERIAL, BACTERIAL TOXINS (GENERAL)

BACTERIAL VIRUSES
SEE VIRUSES, BACTERIOPHAGE*

BACTERICIDAL DEFENSES OF BODY (GENERAL)
SEE IMMUNITY, BACTERICIDAL DEFENSES (GENERAL)

BACTERICIDES
SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIBACTERIAL

BACTERIOCINS
SEE ANTIBIOTICS, BACTERIOCINS

BACTERIOLOGY AND MYCOLOGY STUDY SECTION
** R01DE-05144-06 Periodontal disease--Role of spirochetes (rabbits)
** R01DE-05606-05 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
** R01DE-07168-02 Membrane function during germination of Candida albicans (mice)

BACTERIONEMA
SEE BACTERIA, ACTINOMYCETALES, BACTERIONEMA*

BACTERIOPHAGE
SEE VIRUSES, BACTERIOPHAGE*

BACTERIOTROPINS
SEE IMMUNOLOGY, ANTIBODIES, OPSONINS

BACTEROIDES
SEE BACTERIA, BACTEROIDACEAE, BACTEROIDES*

BACTEROIDES MELANINOGENICUS
SEE BACTERIA, BACTEROIDACEAE, BACTEROIDES MELANINOGENICUS*

BARIUM (COMPOUNDS)
SEE METALS, ALKALINE EARTH METALS, BARIUM (COMPOUNDS)

BASAL GANGLIA
SEE BRAIN, BASAL GANGLIA

BASAL NUCLEUS
SEE BRAIN, BASAL GANGLIA

BASEMENT MEMBRANE
SEE MEMBRANE, BASEMENT MEMBRANE

BASES (NUCLEOSIDE, NUCLEOTIDE, NUCLEIC ACID)
SEE NUCLEOBASES

BASOLATERAL AREA (MEMBRANE)
SEE CELL COMPONENTS, CELL MEMBRANE, BASOLATERAL AREA

BASOPHIL CHEMOTACTIC FACTOR (BCF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, CHEMOTACTIC FACTORS

BEHAVIOR
SEE PSYCHOLOGY, BEHAVIOR

BEHAVIOR MODIFICATION (PSYCHOTHERAPY)
SEE PSYCHOTHERAPY, BEHAVIOR MODIFICATION

BEHAVIOR PREDICTION
SEE PSYCHOLOGY, BEHAVIOR PREDICTION

BEHAVIOR THERAPY
SEE PSYCHOTHERAPY, BEHAVIOR MODIFICATION

BEHAVIORAL MEDICINE
SEE ALSO HEALTH, SELF CARE
SEE ALSO HEALTH CARE SERVICES, PATIENT-PROFESSIONAL RELATIONS
SEE ALSO PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY
SEE ALSO PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY, PSYCHOPHYSIOLOGIC DISORDERS
SEE ALSO PSYCHOLOGY, ATTITUDE TO HEALTH AND HEALTH PROBLEMS
SEE ALSO PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL
SEE ALSO PSYCHOTHERAPY, BEHAVIOR MODIFICATION
SEE ALSO THERAPY COMPLIANCE
** R01DE-05497-04 Dental disease and work loss (human)
** R01DE-05989-04 Myofascial pain-dysfunction syndrome and life stress (human)
** R01DE-06154-03 Effects of orthodontia on psychosocial functioning (human)
** R01DE-06219-03 Facial behavior related to acute dental pain (human)
** R01DE-06294-04 Effects of physiological feedback on dental fear (human)
** R01DE-06521-02 Behavioral response enhancement after periodontal surgery (human)
** R23DE-06546-02 Assessment and treatment of mandibular pain-dysfunction (human)
** R01DE-06656-03 Promoting adherence to a dental regimen
** R23DE-06865-02 Child desensitization for dental visits (human)
** R01DE-06895-02 Implementing preventive dental programs in schools
** R01DE-07186-01 Validation of an index to score dental aesthetics (human)
** R01DE-07514-01 TMJS/TMPDS--Evaluating structural and functional models (human)

BEHAVIORAL MEDICINE STUDY SECTION
SEE ALSO BEHAVIORAL MEDICINE
** R01DE-04358-09 Treatment of temporomandibular joint pain
** R01DE-04494-08 Control of stress during dental procedures (human)
** R01DE-05305-05 Behavioral approaches to pain responses in pedodontics (children)
** R01DE-05622-04 Rx for dental patients at risk for endocarditis (dentists)
** R01DE-05989-04 Myofascial pain-dysfunction syndrome and life stress (human)
** R01DE-06154-03 Effects of orthodontia on psychosocial functioning (human)
** R23DE-06208-02 Preventive services adoption in private dental practices
** R01DE-06219-03 Facial behavior related to acute dental pain (human)
** R01DE-06294-04 Effects of physiological feedback on dental fear (human)
** R01DE-06417-02 Factors influencing long-term oral self-care (human)
** R01DE-06521-02 Behavioral response enhancement after periodontal surgery (human)
** R23DE-06546-02 Assessment and treatment of mandibular pain-dysfunction (human)
** R23DE-06865-02 Child desensitization for dental visits (human)
** R01DE-06895-02 Implementing preventive dental programs in schools
** R01DE-07186-01 Validation of an index to score dental aesthetics (human)
** R01DE-07514-01 TMJS/TMPDS--Evaluating structural and functional models (human)

BEHAVIORAL MODELS
SEE MODELS, PSYCHOLOGICAL MODELS

BEHAVIORAL NUTRITION
SEE NUTRIENT INTAKE ACTIVITY, FEEDING (EATING) BEHAVIOR

BEHAVIORAL SCIENCES AND RELATED FIELDS
SEE INFORMATION-COMMUNICATION BEHAVIOR
SEE NERVOUS DISORDERS (GENERAL)
SEE NEUROANATOMY
SEE NEUROCHEMISTRY
SEE NEUROPHARMACOLOGY
SEE NEUROPHYSIOLOGY (GENERAL)
SEE PSYCHIC ACTIVITY LEVEL
SEE PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY, PSYCHOPHYSIOLOGIC DISORDERS
SEE PSYCHOLOGY, NEUROPSYCHOLOGY (GENERAL)
SEE PSYCHOLOGY OCCUPATIONAL
SEE PSYCHOLOGY SOCIAL (SEE ALSO SOCIAL...)
SEE PSYCHOMETRICS
SEE PSYCHOMOTOR DISORDERS
SEE PSYCHOMOTOR FUNCTION
SEE PSYCHOPHYSICS

BENZANTHRACENES
SEE CYCLICS, CARBOPOLYCYCLICS, BENZANTHRACENES

BENZOATES
SEE PHENYLCARBOXYLATES, BENZOATES

BENZOIC ACID, BENZOATES
SEE PHENYLCARBOXYLATES, BENZOATES

BENZOPYRROLE CARBOXYLIC ACIDS, INDOMETHACIN
P50DE-02623-18 0035 Center for oral health research - Cellular aspects of the muring IgA response

BENZOPYRROLES, SEROTONIN
P50DE-02668-19 0168 Regional dental research center - Platelets and thrombin (human)
R01DE-04786-08 Dental and orofacial pain--Brain stem mechanisms (cats)
R01DE-05605-05 The humoral regulation of pulp circulation (rats, dogs)
R23DE-07107-02 Cyclic nucleotides and prostaglandins in cleft palate (mice)

BENZYLPENICILLINIC ACID
SEE ANTIBIOTICS, BETA-LACTAMS, PENICILLIN G

BETA RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS, BETA RECEPTORS

(contd)

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**Oriented significantly to above subject.

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See Appendix for investigator's name and Grant Number.

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BETAHERPESVIRINAE
SEE VIRUSES, HERPESVIRIDAE, BETAHERPESVIRINAE

BICARBONATES
SEE CARBONATES, BICARBONATES

BINDING (CHEMICAL)
SEE CHEMICAL BONDS, BINDING AND BINDING SITES

BINDING PROTEINS
SEE PROTEIN BINDING

BINDING REAGENTS
SEE METAL COMPLEXES, LIGANDS

BINDING SITES
SEE CHEMICAL BONDS, BINDING AND BINDING SITES

BIOAVAILABILITY OF DRUGS
SEE DRUGS, PHARMACOLOGY, BIOAVAILABILITY

BIOCHEMICAL ENDOCRINOLOGY STUDY SECTION
** R01DE-06848-02 Androgen control of salivary gland EGF in cleft palate (mice)

BIOCHEMICAL PHARMACOLOGY
SEE DRUGS, PHARMACOLOGY, BIOCHEMICAL

BIOCHEMISTRY (GENERAL)*
SEE ALSO BIOCHEMISTRY STUDY SECTION
SEE ALSO BIOPHYSICAL CHEMISTRY (GENERAL)*
SEE ALSO HISTOCHEMISTRY AND CYTOCHEMISTRY (GENERAL)*
SEE ALSO IMMUNOCHEMISTRY
SEE ALSO MOLECULAR BIOLOGY (GENERAL)
SEE ALSO NEUROCHEMISTRY
SEE ALSO PATHOBIOCHEMISTRY STUDY SECTION
SEE ALSO PHOTOCHEMISTRY
SEE ALSO PHYSIOLOGICAL CHEMISTRY STUDY SECTION
P50DE-02668-19 0125 Regional dental research center - Significance of collagen crosslinks in tissue
** P50DE-02668-19 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)
R01DE-04385-10 Mechanism of dental caries
R01DE-05418-06 In vivo forces on endosseous dental implants (dogs)
** R01DE-05666-05 Biochemistry of salivary lipids (rats, human)
** R03DE-07146-01 Biochemistry of Streptococcus mutans ribosomes (rabbits)
** R01DE-07376-01 Biochemical profile for gingival crevicular fluid

BIOCHEMISTRY STUDY SECTION
** R01DE-03246-16 Biochemical mechanisms relevant to dentistry
** R01DE-05956-05 The adhesive of Mytilus byssus

BIOCYBERNETICS
SEE INFORMATION PROCESSING AND CONTROL (BIOLOGICAL)

BIOCYBERNETICS (NEURAL)
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

BIODEGRADATION, BIOTRANSFORMATION (METABOLISM)
SEE METABOLISM, BIOTRANSFORMATION

BIOELECTRICITY
SEE ELECTROPHYSIOLOGY

BIOENGINEERING
SEE BIOMEDICAL ENGINEERING

BIOEQUIVALENCE OF DRUGS
SEE DRUGS, PHARMACOLOGY, BIOAVAILABILITY

BIOFEEDBACK CONDITIONING (TRAINING)
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

BIOGENIC AMINES, NEURAL
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

BIOHAZARDS OF ORGANISMS OR THEIR PRODUCTS, AND THEIR CONTROL
SEE INJURY (HAZARDS) PREVENTION AND CONTROL, BIOHAZARDS (CONTROL)

BIOLOGICAL CONTROL AND PROCESSING OF INFORMATION
SEE INFORMATION PROCESSING AND CONTROL (BIOLOGICAL)

BIOLOGICAL MODELS
SEE MODELS, BIOLOGICAL

BIOLOGICAL PREPARATIONS AND STANDARDIZATION, NATURAL PRODUCTS PRODUCTION BY GENETIC MANIPULATION
P50DE-07003-02 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)

BIOLOGICAL STRESS
SEE STRESS

BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT
SEE ALSO CELL INGESTION, PHAGOCYTOSIS
SEE ALSO CELL INGESTION, PINOCYTOSIS
SEE ALSO CELL SECRETION, EXOCYTOSIS
SEE ALSO GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT (GENERAL)
SEE ALSO KIDNEY FUNCTION, RENAL TUBULAR TRANSPORT
R01DE-03917-10 Fluoride and the metabolism of plaque bacteria
R01DE-06429-04 Influence of acid-base status on fluoride metabolism (mammals)

BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS
SEE ALSO BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT, ION CARRIERS (IONOPHORES)
R01DE-05937-05 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06552-04 Hydroxyapatite remineralization--The role of fluoride

BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, CALCIUM PUMP
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY CALCIUM
R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
P50DE-02623-18 0030 Center for oral health research - Cellular control of mineralization
P50DE-02668-19 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
P50DE-02670-19 0001 Institute of dental research - X-ray crystallography program
R01DE-04897-05 Functional development of salivary glands (rats)
** R01DE-05323-04 Calcium ion interactions in developing dental tissues (rats)
R01DE-05764-06 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06071-02 Calcium metabolism in Streptococcus mutans
R01DE-06373-03 Saliva formation studied by microprobe analysis (rats)
R01DE-06427-04 Permeability characteristics of dentin (dogs, human)
R01DE-06765-02 Ion transport through the maturation stage enamel organ (cows, rats)
R01DE-06904-02 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
R01DE-06913-03 Modulating role of prostaglandins in salivary glands (rats)
R03DE-07121-01 Acid production in craniofacial osteoclasts (mice)
R01DE-07341-01 Second messenger function in exocrine glands (rats)
R03DE-07412-01 Effect of zinc on intestinal absorption of calcium (human)

BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, CHLORIDE PUMP
R01DE-05764-06 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06373-03 Saliva formation studied by microprobe analysis (rats)

BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, POTASSIUM PUMP
R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
R01DE-05764-06 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06373-03 Saliva formation studied by microprobe analysis (rats)
R01DE-06904-02 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
R03DE-07121-01 Acid production in craniofacial osteoclasts (mice)

BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, SODIUM PUMP
R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
R01DE-05764-06 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06373-03 Saliva formation studied by microprobe analysis (rats)
R01DE-06913-03 Modulating role of prostaglandins in salivary glands (rats)
R03DE-07121-01 Acid production in craniofacial osteoclasts (mice)

BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, SODIUM-POTASSIUM PUMP
R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
R01DE-04897-05 Functional development of salivary glands (rats)
R01DE-05586-05 Cell surface studies of the enamel organ (mice)
R01DE-05978-03 Lipid nutrition, membrane fluidity and enzymes (rats)

BIOLOGICAL TRANSPORT, FLUID EXCHANGE AND TRANSPORT
SEE ALSO BIOLOGICAL TRANSPORT, PASSIVE TRANSPORT, DIFFUSION
R01DE-05289-07 Uptake and binding by early enamel matrix (rats)
** R01DE-06373-03 Saliva formation studied by microprobe analysis (rats)
R01DE-06427-04 Permeability characteristics of dentin (dogs, human)

BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT
** R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
** P50DE-02668-19 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
P50DE-02670-19 0001 Institute of dental research - X-ray crystallography program
R01DE-04385-10 Mechanism of dental caries
R01DE-04749-06 F-releasing and acid barrier polymer caries therapies
R01DE-04897-05 Functional development of salivary glands (rats)
R01DE-05354-08 Prevention of dental caries
R01DE-05769-07 Ultrastructure of tooth development (rats)
R01DE-05978-03 Lipid nutrition, membrane fluidity and enzymes (rats)
R01DE-06127-03 Acid-base physiology of oral streptococci
** R01DE-06373-03 Saliva formation studied by microprobe analysis (rats)
R01DE-06429-04 Influence of acid-base status on fluoride metabolism (mammals)
R01DE-06552-04 Hydroxyapatite remineralization--The role of fluoride
** R01DE-06765-02 Ion transport through the maturation stage enamel organ (cows, rats)
R01DE-06904-02 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
P01DE-06946-02 0010 Pathophysiology of MPD and other facial pain syndromes - Tendon in normal and fatigued states (rat, human)
R01DE-06951-02 Study of F actions on human root surface caries
R01DE-07341-01 Second messenger function in exocrine glands (rats)

BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT, ION CARRIERS (IONOPHORES)
SEE ALSO ANTIBIOTICS, GRAMICIDIN (UNSPECIFIED)
SEE ALSO ANTIBIOTICS, VALINOMYCIN
SEE ALSO PROTEINS, CALCIUM BINDING PROTEINS
P50DE-02623-18 0030 Center for oral health research - Cellular control of mineralization
R01DE-04897-05 Functional development of salivary glands (rats)
R01DE-05249-06 Salivary secretion - role of calcium (mice)
R03DE-07121-01 Acid production in craniofacial osteoclasts (mice)

BIOLOGICAL TRANSPORT, MEMBRANE MODELS, LIPOSOMES
R01DE-05937-05 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06071-02 Calcium metabolism in Streptococcus mutans
R01DE-06533-03 Vesicles and endochondral bone formation (chickens)
N01DE-42551-01 Develop antigens and adjuvants for carries immunity

BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT
SEE ALSO CARDIOVASCULAR SYSTEM, ENDOTHELIUM PERMEABILITY
SEE ALSO GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT (GENERAL)
SEE ALSO KIDNEY FUNCTION, RENAL TUBULAR TRANSPORT
SEE ALSO MEMBRANE, MEMBRANE (BIOLOGICAL) STRUCTURE
SEE ALSO PREGNANCY CIRCULATION, PLACENTAL TRANSFER
R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
** P50DE-02623-18 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
** P50DE-02668-19 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
R01DE-03187-14 Transport in enamel and solubility of enamel (human)
R01DE-03301-15 Connective tissues of the periodontium (human, dog)
R01DE-04235-09 Peroxidase in saliva and prevention of oral disease (human, S mutants)
R01DE-04897-05 Functional development of salivary glands (rats)
R01DE-05030-07 Crystal chemistry of calcium phosphates (human, rats)
R01DE-05251-06 Salivary gland secretory mechanisms (rats)
** R01DE-05253-06 Measurements of enamel permeability as related to caries (human)
** R01DE-05586-05 Cell surface studies of the enamel organ (mice)
R01DE-05764-06 Cellular pharmacology of salivary secretion (rats, ducks)
** R01DE-06427-04 Permeability characteristics of dentin (dogs, human)
R01DE-06644-03 Physiology of oral bacteria--Sugar, PH and F relations
R01DE-06904-02 Neuroeffector transmission in a simple salivary gland (mice, mollusks)

(contd).

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** R01DE-06991-02 Plasma membranes and secretory granules in secretion (rats, rabbits)
R01DE-07341-01 Second messenger function in exocrine glands (rats)
R23DE-07391-01 Insulin and protein synthesis in the rat gland

BIOLOGICAL TRANSPORT, PASSIVE TRANSPORT, DIFFUSION
R01DE-04385-10 Mechanism of dental caries
R01DE-05289-07 Uptake and binding by early enamel matrix (rats)

BIOLOGICAL TRANSPORT, SECRETORY MECHANISMS
SEE ALSO CELL SECRETION, EXOCYTOSIS
SEE ALSO ORAL-PHARYNGEAL, SALIVATION
** R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
P50DE-02600-19 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
P50DE-02670-19 0037 Institute of dental research - IgA responses to S mutans--Induction and regulation
R01DE-03666-09 X-ray therapeutic index for salivary glands (rodents, human)
R01DE-04230-10 Comparative ultrastructure of mammalian amelogenesis (cats)
R01DE-04387-09 Effect of fluoride on cAMP and glucose metabolism (rats)
** R01DE-04897-05 Functional development of salivary glands (rats)
R01DE-04960-07 Mechanisms of salivary gland development (mice, rabbits, rats)
** R01DE-05249-06 Salivary secretion - role of calcium (mice)
** R01DE-05251-06 Salivary gland secretory mechanisms (rats)
R01DE-05586-05 Cell surface studies of the enamel organ (mice)
R01DE-06000-05 Effect of parotid function on saliva and cells (rats)
R23DE-06066-03 Orally induced suppression in periodontal disease (rabbits, rats)
** R01DE-06115-02 Protein phosphorylation in parotid gland secretion (rabbits)
R01DE-06165-03 Cell biology of periodontal ligament fibroblast
R01DE-06373-03 Saliva formation studied by microprobe analysis (rats)
** R01DE-06511-03 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)
R01DE-06635-03 Tissue interactions and salivary cytodifferentiation (rats, rabbits)
** R01DE-06892-02 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
** R01DE-06904-02 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
** R01DE-06952-02 Enamel secretory matrix protease (catte, rats)
R01DE-06955-02 Epidermal growth factor and tooth development (mice)
** R01DE-06970-02 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
** R01DE-06991-02 Plasma membranes and secretory granules in secretion (rats, rabbits)
** R01DE-07341-01 Second messenger function in exocrine glands (rats)
R01DE-07594-01 Enamel proteins

BIOLOGICAL TRANSPORT, SECRETORY MECHANISMS, EXCRETION
P01DE-01850-22 0093 Nutritional sources and metabolic roles of fluoride - Effect of calcium deficiency on the mobilization of skeletal fluoride (rats)
** R03DE-07121-01 Acid production in craniofacial osteoclasts (mice)

BIOLOGICAL TRANSPORT, TRANSPORT EFFECTORS
SEE ALSO BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT, ION CARRIERS (IONOPHORES)
SEE ALSO BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS (SEE ALSO SPECIFICS)
P50DE-02623-18 0030 Center for oral health research - Cellular control of mineralization
P50DE-02623-18 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
R03DE-07412-01 Effect of zinc on intestinal absorption of calcium (human)

BIOLOGICAL TRANSPORT, TRANSPORT ENERGETICS
P50DE-02623-18 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
R01DE-06071-02 Calcium metabolism in Streptococcus mutans

BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS (SEE ALSO SPECIFICS)
SEE ALSO ENDOCRINOLOGY, HORMONE BINDING PROTEINS
SEE ALSO PROTEIN BINDING
SEE ALSO PROTEINS, CALCIUM BINDING PROTEINS
P50DE-02623-18 0030 Center for oral health research - Cellular control of mineralization
R01DE-06071-02 Calcium metabolism in Streptococcus mutans
** R01DE-06635-03 Tissue interactions and salivary cytodifferentiation (rats, rabbits)

BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS, PERMEASES
R01DE-05966-04 Mechanisms of sugar transport in streptococcus mutans

BIOLOGICALS RESOURCES
SEE IMMUNOLOGICAL PREPARATIONS (GENERAL) (INCLUDING CERTIFICATION AND STANDARDIZATION)

BIOLOGY, POLYMORPHISM
R01DE-03658-21 Genetic polymorphisms of saliva (human, mice)
R03DE-07418-01 Dentinogenesis imperfecta--Chromosome mapping

BIOLOGY, SYSTEMATIC
SEE ALSO MICROBIAL IDENTIFICATION AND CLASSIFICATION (TECHNIQUES)
** R01DE-07126-02 Molecular taxonomy of non-hemolytic streptococci

BIOLOGY, SYSTEMATIC, EVOLUTION AND PHYLOGENY
R01DE-06031-03 Population genetics of the Streptococcus mutans complex (human)

BIOLOGY, SYSTEMATIC, GENETIC STRAINS
P01DE-01850-22 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
P50DE-02668-19 0213 Regional dental research center - Action of androgen on submaxillary gland function
** P50DE-02670-19 0040 Institute of dental research - Streptococcus mutans strains common to mother and child (mammals)
R01DE-04622-09 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-04645-08 A genetic-biochemical analysis of spirochete motility (mice)
R01DE-06031-03 Population genetics of the Streptococcus mutans complex (human)
R01DE-06395-03 Molecular basis of the ecology of oral streptococci
R01DE-06671-03 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)
R01DE-06744-02 Adherence of oral bacteria to cell surface components (humans, rabbits)
P50DE-07003-02 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
P50DE-07118-01 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection
** R01DE-07126-02 Molecular taxonomy of non-hemolytic streptococci
R23DE-07388-01 Glucan-mediated intraoral demineralization by S mutans (human)
** N01DE-42500-05 Microbiological information system

BIOLOGY, SYSTEMATIC, SPECIES
R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)
R23DE-07328-01 A quantitative study of lesion formation in animal models (also human)

BIOMATERIALS
SEE ALSO DENTAL MATERIALS
SEE ALSO ORAL-FACIAL RESTORATION MATERIALS
SEE ALSO PROSTHESIS
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, IMPLANT
R13DE-07080-01 Gordon research conference on calcium phosphates, 1985

BIOMATERIALS, BIOMATERIALS EVALUATION
** P50DE-02668-19 0123 Regional dental research center - In situ replication techniques and the wear of restorative materials
** P50DE-02668-19 0149 Regional dental research center - Strengths of polymers in tooth restorative materials
** P50DE-02668-19 0150 Regional dental research center - Polymerization of tooth restorative composite materials
** P50DE-02668-19 0191 Regional dental research center - Clinical study of restorative materials
** R01DE-04096-07 Biocompatibility of endodontic materials (guinea pigs, rats, monkeys)
R01DE-04749-06 F-releasing and acid barrier-polymer caries therapies
R01DE-05321-06 Titanium alloys in dentistry
R01DE-05418-06 In vivo forces on endosseous dental implants (dogs)
** R01DE-05839-03 In vivo vs in vitro cement solubility--Correlative study
R01DE-05945-04 Physicochemical modifications of dental restoratives
** R01DE-05980-02 Stress analysis of mandibular partial dentures
R01DE-06112-05 Filled sealant as a conservative restorative material (human)
R01DE-06170-03 Radiopaque restorative and prosthetic dental resins
R01DE-06201-01 Water sorption of glassy dental polymers
** R01DE-06374-04 Semi- and nonprecious metal-procelain systems
R03DE-06446-02 Bifunctional reagents as alternatives to formocresol (rats, dogs, rabbits)
R01DE-06519-01 Dental amalgams contribution to blood mercury levels
R01DE-06563-03 Microstructure vs. deterioration of amalgam restorations
** R03DE-06675-02 Biological evaluation of a new dental cement (rats)
** R01DE-06720-02 Resistance of various restorative materials
** R01DE-06762-02 Development of an advanced artificial oral environment
** R01DE-06996-01 Biological molecules in the corrosion of dental alloys
** R43DE-07034-01 Titanium alloys for partial dentures - Phase I
** R23DE-07079-01 Effect of composition on fracture and creep of composite
R03DE-07127-01 Deactivation behavior of orthodontics wires in flexure
** R13DE-07172-01 Biocompatibility, toxicity, hypersensitivity in dentistry
** R03DE-07306-01 Vitallium and titantium endodontic implants (monkeys)
** R01DE-07374-01 Effectiveness of dental clinical evaluation techniques (human)
R43DE-07397-01 Alloy/solder interfaces--TEM microstructure vs strength
R03DE-07410-01 Effect of fluoride nucleation on glass-ceramic formation
** N01DE-52557-00 Clinical trial of an adhesive material

BIOMATERIALS, DEVELOPMENT AND PREPARATION OF BIOMATERIALS
** R01DE-04136-11 Maxillofacial materials--Color study (human)
** R01DE-05129-08 Improvement of preventive and restorative materials (monkeys)
R01DE-05980-02 Stress analysis of mandibular partial dentures
R01DE-06112-05 Filled sealant as a conservative restorative material (human)
** R01DE-06179-03 Radiopaque restorative and prosthetic dental resins
R01DE-06994-02 Palladium containing dental amalgam
** R43DE-07034-01 Titanium alloys for partial dentures - Phase I
** R43DE-07266-01 Mytilus edulis polyphenolic protein--Adhesive system development
R43DE-07397-01 Alloy/solder interfaces--TEM microstructure vs strength
** R03DE-07410-01 Effect of fluoride nucleation on glass-ceramic formation
N01DE-52557-00 Clinical trial of an adhesive material

BIOMATERIALS, INTERFACIAL PHENOMENA
SEE ALSO MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)
SEE ALSO PHYSICAL PROPERTIES, SURFACE PROPERTIES (GENERAL)
R01DE-04096-07 Biocompatibility of endodontic materials (guinea pigs, rats, monkeys)
** R23DE-06987-01 Study of surfactant use in restorative materials
R03DE-07306-01 Vitallium and titantium endodontic implants (monkeys)
** R43DE-07397-01 Alloy/solder interfaces--TEM microstructure vs strength

BIOMATERIALS EVALUATION
SEE BIOMATERIALS, BIOMATERIALS EVALUATION

BIOMATERIALS DESIGN
SEE BIOMATERIALS, DEVELOPMENT AND PREPARATION OF BIOMATERIALS

BIOMATERIALS IMPLANTS AND COMPATIBILITY
SEE ALSO PROSTHESIS IMPLANTS AND COMPATIBILITY
** R03DE-06675-02 Biological evaluation of a new dental cement (rats)
** P50DE-07003-02 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
** R13DE-07172-01 Biocompatibility, toxicity, hypersensitivity in dentistry
** R01DE-07332-01 Analysis of utility of implants in craniofacial research

BIOMATERIAL-TISSUE SURFACE INTERACTIONS
SEE BIOMATERIALS, INTERFACIAL PHENOMENA

BIOMECHANICS
SEE BIOPHYSICS, BIOMECHANICS

BIOMEDICAL DATA COMPUTER PROCESSING
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER PROCESSING OF LABORATORY DATA (GENERAL)

BIOMEDICAL ENGINEERING
P50DE-02731-19 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
R01DE-03953-11 Force systems from orthodontic appliances
R01DE-05321-06 Titanium alloys in dentistry
** P50DE-07117-01 0001 Periodontal disease research center - Two monitored patient groups--Clinical component

BIOMEDICAL ENGINEERING, INSTRUMENTATION CLINICALLY ORIENTED
** R01DE-05761-06 Improved dental instruments and materials
R01DE-06379-03 Dental xeroradiography--Clinical investigaiton

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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** R44DE-06779-03 Evaluation of a new automated periodontal probe
** R01DE-06856-02 Arthrophonometry of the temporomandibular joint (human)
** R44DE-06932-02 A periodontal temperature probe (human)
P50DE-07010-02 0003 Specialized caries research center - Radiotelemetric evaluation of interproximal plaque pH (human)
** R03DE-07019-02 Ultrasonic detection of oral markers (human)
** R03DE-07307-01 University of Mississippi dental care unit--Field testing
R03DE-07308-01 Co2 lasers in preventative dentistry - safety parameters (dogs)
** R43DE-07395-01 Improved X rays for the diagnosis of periodontal disease
** R03DE-07413-01 Pressure algometer for MPD--Reliability and validity
** R03DE-07426-01 Calcium, fluoride and hydrogen ions in caries (human)
R43DE-07528-01 Immuno-diagnostic probe for periodontitis
** N01DE-52555-00 Methods for the intraoral fluoride-releasing device

BIOMEDICAL ENGINEERING, MEDICAL EQUIPMENT SAFETY
R01DE-07011-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
** R03DE-07308-01 Co2 lasers in preventative dentistry - safety parameters (dogs)
R01DE-07696-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

BIOMEDICAL FACILITIES
** P50DE-07118-01 9001 Periodontal diseases research center - Core--Data processing and statistics
** P01DE-07687-04 9001 Regeneration and transplantation of skeletal muscle - Morphology core
** P01DE-07687-04 9002 Regeneration and transplantation of skeletal muscle - Physiology core

BIOMEDICAL REGISTRIES AND REFERRAL CENTERS
SEE ALSO HEALTH RECORD SYSTEMS, PATIENT (DISEASE) REGISTRIES
SEE ALSO TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES
M P01DE-05837-05 Growth, surgical, and speech aspects of cleft palate
** P01DE-05837-05 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
** P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
P01DE-05837-05 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
P01DE-05837-05 0005 Growth, surgical, and speech aspects of cleft palate - Psychoeducation project (human)

BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED DIAGNOSIS
R01DE-03598-10 Dentofacial effects of forces to retract the maxilla (human)
R01DE-06856-02 Arthrophonometry of the temporomandibular joint (human)

BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED MEDICAL DECISION MAKING
SEE ALSO BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED DIAGNOSIS
R01DE-06720-02 Resistance of various restorative materials

BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER PROCESSING OF CLINICAL DATA
SEE ALSO BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED DIAGNOSIS
SEE ALSO BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED MEDICAL DECISION MAKING
** P01DE-02872-16 0018 Center for craniofacial anomalies - Computerization of clinical data
** P50DE-07118-01 9001 Periodontal diseases research center - Core--Data processing and statistics

BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER PROCESSING OF LABORATORY DATA (GENERAL)
M P50DE-02600-19 Support for oral biology research center
M P50DE-02623-18 Center for oral health research
P50DE-02731-19 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
R01DE-05030-07 Crystal chemistry of calcium phosphates (human, rats)
R01DE-06552-04 Hydroxyapatite remineralization--The role of fluoride
R03DE-07430-01 A study of facial features in cleft lip-palate families (human)
R01DE-07690-01 Growth and development of the human head

BIOMEDICAL SYSTEMS AUTOMATED, ELECTRONIC RECORDING SYSTEMS
R44DE-06779-03 Evaluation of a new automated periodontal probe

BIOMEDICAL SYSTEMS AUTOMATED, HEALTH CARE FACILITIES (SYSTEMS) INFORMATION SYSTEMS
** P01DE-02872-16 0018 Center for craniofacial anomalies - Computerization of clinical data

BIOMEDICAL SYSTEMS AUTOMATED, TELEMETERING AND REMOTE SENSING
** P50DE-07010-02 0003 Specialized caries research center - Radiotelemetric evaluation of interproximal plaque pH (human)

BIOMETRY
SEE MATHEMATICS, STATISTICS (INCLUDING BIOMETRY)

BIO-ORGANIC AND NATURAL PRODUCTS CHEMISTRY STUDY SECTION
** R01DE-05476-05 Novel peptide derived sweeteners
** R01DE-06128-02 Synthesis-testing of a herpesvirus antiviral agent

BIOPERIODICITY, CIRCADIAN RHYTHMS
R01DE-06113-05 Determinants of fluoride in the oral environment (dogs, rats)

BIOPHYSICAL CHEMISTRY (GENERAL)*
R13DE-07080-01 Gordon research conference on calcium phosphates, 1984

BIOPHYSICS, BIOMECHANICS
R01DE-07321-06 Titanium alloys in dentistry
R01DE-05418-06 In vivo forces on endosseous dental implants (dogs)
** R03DE-06817-02 Maxillary expansion using laser specklegrammetry (human)
** R01DE-06859-01 Biomechanics of the mandible (human)
P01DE-06946-02 0011 Pathophysiology of MPD and other facial pain syndromes - Effects of altered position on articular surface of mandibular condyle (rabbits)
** R23DE-07351-01 Morphological basis of tongue movement and control (mammals)

BIOPHYSICS AND BIOPHYSICAL CHEMISTRY A STUDY SECTION
SEE MOLECULAR AND CELLULAR BIOPHYSICS STUDY SECTION

BIOPSY
SEE DIAGNOSTIC TESTS, BIOPSY*

BIOSTATISTICS
SEE MATHEMATICS, STATISTICS (INCLUDING BIOMETRY)

BIOSYNTHESIS OF CARBOHYDRATES
SEE CARBOHYDRATES BIOSYNTHESIS

BIOSYNTHESIS OF FATTY ACIDS
SEE FATTY ACIDS BIOSYNTHESIS

BIOSYNTHESIS OF HORMONES
SEE ENDOCRINOLOGY, HORMONES BIOSYNTHESIS

BIOSYNTHESIS OF IMMUNOGLOBULIN
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN BIOSYNTHESIS

BIOSYNTHESIS OF LIPIDS
SEE LIPIDS METABOLISM, LIPOGENESIS

BIOSYNTHESIS OF MEMBRANES
SEE MEMBRANE SYNTHESIS AND RECONSTITUTION

BIOSYNTHESIS OF PROTEINS
SEE PROTEINS BIOSYNTHESIS

BIOTRANSFORMATION (METABOLISM)
SEE METABOLISM, BIOTRANSFORMATION

BIRDS*
** R23DE-06118-03 Acquired defects of the jaw joint (TMJ)--A model system (chickens, rabbits)

BIREFRINGENCE
SEE OPTICS, BIREFRINGENCE*

BIRTH CONTROL
SEE PREGNANCY

BIRTH ORDER
SEE FAMILY, SIBLING ORDER

BIRTH WEIGHT (HUMAN)
SEE CHILDREN, INFANT PREMATURE AND LOW BIRTH WEIGHT

BITE
SEE DENTAL OCCLUSION, BITE AND BITING STRENGTH (FORCE)

BITING STRENGTH (FORCE)
SEE DENTAL OCCLUSION, BITE AND BITING STRENGTH (FORCE)

BIVALVES
SEE MOLLUSKS, PELECYPODS*

BLACK AMERICANS
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, BLACK AMERICANS

BLACK RACE
SEE SOCIAL GROUPS, RACIAL STOCKS, BLACK RACE

BLASTEMA
SEE GROWTH AND DEVELOPMENT, HISTOGENESIS, BLASTEMA

BLASTODERM
SEE EMBRYOLOGY, GERM LAYERS

BLOOD AND RE DISORDERS, LEUKOCYTE DISORDERS
SEE ALSO METABOLIC DISORDERS INBORN, CHEDIAK-HIGASHI SYNDROME
** R01DE-06989-01 Neutrophil function in periodontal disease (human)

BLOOD AND RE DISORDERS, THYMUS DYSFUNCTION OR ABSENCE, DIGEORGE SYNDROME
R03DE-07149-01 Ethanol teratogenicity at early somite stages in mice

BLOOD AND RE SYSTEM, BLOOD, PLASMA
R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)

BLOOD AND RE SYSTEM, BLOOD, SERUM
P01DE-01850-22 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
R01DE-06425-02 Nutritional studies of tooth development in vitro (mice, rats)
P50DE-07009-02 0004 Specialized caries research centers - Immunological aspects of root caries (human)
P50DE-07118-01 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)

BLOOD AND RE SYSTEM, HEMATOPOIESIS
R01DE-06065-05 The role of lymphoid cells in alveolar bone resorption (rats)

BLOOD AND RE SYSTEM, LYMPHATIC TISSUE
SEE ALSO BLOOD AND RE SYSTEM, THYMUS
SEE ALSO ORAL-PHARYNGEAL, NASOPHARYNX, ADENOIDS
** R01DE-06065-05 The role of lymphoid cells in alveolar bone resorption (rats)

BLOOD AND RE SYSTEM, MACROPHAGES
P50DE-02623-18 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
P50DE-02623-18 0034 Center for oral health research - Bacterial components inducing bone resroption
** P50DE-02731-19 0035 Development support for dental research institute - Immunology laboratory
R01DE-04217-11 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
** R01DE-04724-07 Cellular events in bone remodeling (rats, mice, chickens)
** R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)
** R01DE-05494-06 Activation of macrophages in periodontal disease (mice)
R01DE-06014-04 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
R01DE-06949-01 In vitro bone resorption by products of oral bacteria (animals)
R23DE-07225-01 Influence of mast cells on bone remodelling (mice)
R01DE-07267-02 Periodontopathic bacteria--Chemical-biologic nature (animals)
R03DE-07278-01 Laminin and immune intervention in periodontal disease

BLOOD AND RE SYSTEM, MAST CELLS
** R23DE-07225-01 Influence of mast cells on bone remodelling (mice)

BLOOD AND RE SYSTEM, RETICULOENDOTHELIAL SYSTEM (GENERAL)
SEE ALSO BLOOD AND RE SYSTEM, MACROPHAGES
SEE ALSO BLOOD CELLS, MONOCYTES
R01DE-06860-02 Complement monocyte interactions in periodontal disease
R23DE-07208-01 LPS-monocyte interactions in periodontal disease (guinea pigs)

BLOOD AND RE SYSTEM, THYMUS
R03DE-07149-01 Ethanol teratogenicity at early somite stages in mice

BLOOD BACTERICIDAL ACTIVITY (GENERAL)
SEE IMMUNITY, BACTERICIDAL DEFENSES (GENERAL)

BLOOD CELL DEPLETION THERAPY, LYMPHOCYTE DEPLETION
R01DE-06014-04 Bacteria and lymphocyte suppression in periodontitis (mice, rats)

BLOOD CELL DEPLETION THERAPY, T LYMPHOCYTE DEPLETION
** R01DE-07686-01 Regulation of antibody response to bacterial antigens (bacteria, mice)

BLOOD CELL FORMATION
SEE BLOOD AND RE SYSTEM, HEMATOPOIESIS

BLOOD CELLS, LEUKOCYTES
SEE ALSO BLOOD CELLS, LYMPHOCYTES
SEE ALSO BLOOD CELLS, MONOCYTES
SEE ALSO CELL INGESTION, PHAGOCYTOSIS
P50DE-02600-19 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects. See Appendix for investigator's name and Grant Number.

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R01DE-03987-11 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
** R01DE-06551-02 Stress, host factors, and acute necrotizing gingivitis (human)
R01DE-06860-02 Complement monocyte interactions in periodontal disease

BLOOD CELLS, LEUKOCYTES, GRANULOCYTES (GENERAL)
R03DE-07278-01 Laminin and immune intervention in periodontal disease

BLOOD CELLS, LEUKOCYTES, NEUTROPHILS
** P50DE-02600-19 0030 Support for oral biology research center - Leukocyte function--Its role in periodontal disease (human)
P50DE-02600-19 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
** P50DE-02600-19 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
** P50DE-02623-18 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
P50DE-02623-18 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
R01DE-03738-13 Humoral and cellular mediators of inflammation (human, mammals)
R01DE-03987-11 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
** R01DE-03995-11 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
P50DE-04898-09 0002 Periodontal disease research center - Host response in periodontal disease (human)
** P50DE-05139-08 0003 Clinical research center for periodontal disease - Human genetics section
R01DE-05494-06 Activation of macrophages in periodontal disease (mice)
R01DE-05626-05 Role of complement in periodontal disease
R01DE-05640-05 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05990-02 Periodontitis, leukocyte function and diabetic status (human)
** R01DE-06436-04 Periodontosis--Characterization of the neutrophil defect (human)
R01DE-06514-04 Oral diseases and diabetes in the Gila River Indian Community
R01DE-06551-02 Stress, host factors, and acute necrotizing gingivitis (human)
** R23DE-06640-03 Neutrophil defects induced by oral bacterial products
** R01DE-06643-03 Role of IgA and PMNs in defense of periodontal tissues (mice, rabbits, rats)
R23DE-06757-02 Myeloperoxidase selective killing of oral bacteria (rabbits)
** R01DE-06989-01 Neutrophil function in periodontal disease (human)
** P50DE-07118-01 0004 Periodontal diseases research center - PMN functional studies (children)
** R03DE-07142-01 Leukocyte IgA Fc receptors (human)
R03DE-07169-01 Periodontal disease in sickle cell anemia
R01DE-07204-01 Family studies of early onset periodontitis (human)
** R23DE-07268-02 Polymorphonuclear leukocyte function in wound healing (rabbits)
** R03DE-07311-01 Isolation of antibacterial peptides from human PMNs (rabbits)
** R03DE-07433-01 Periodontosis--A defect in PMN actin polymerization (human)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

BLOOD CELLS, LYMPHOCYTES
SEE ALSO IMMUNITY, CYTOKINES, LYMPHOKINES
P50DE-02623-18 0034 Center for oral health research - Bacterial components inducing bone resorption
** P50DE-02731-19 0035 Development support for dental research institute - Immunology laboratory
R01DE-03301-15 Connective tissues of the periodontium (human, dog)
** R01DE-06014-04 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
R01DE-06860-02 Complement monocyte interactions in periodontal disease
R23DE-07225-01 Influence of mast cells on bone remodelling (mice)

BLOOD CELLS, LYMPHOCYTES, KILLER CELLS
SEE ALSO IMMUNITY, CELLULAR, CELL-MEDIATED IMMUNE RESPONSES
R01DE-06900-01 Immunology of oral herpes simplex viral infections (human)

BLOOD CELLS, B LYMPHOCYTES
** P50DE-02600-19 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
P50DE-02600-19 0023 Support for oral biology research center - Regulation of antibody response (mice)
P50DE-02623-18 0035 Center for oral health research - Cellular aspects of the muring IgA response
P50DE-02670-19 0037 Institute of dental research - IgA responses to S mutans--Induction and regulation
P50DE-02731-19 0035 Development support for dental research institute - Immunology laboratory
R01DE-03420-13 Immune phenomena in experimental periodontal disease (rats)
R01DE-04217-11 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
P50DE-05139-08 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05626-05 Role of complement in periodontal disease
R01DE-06014-04 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
** R01DE-06645-03 Genetic regulation of B cell replication and function (mice)
R01DE-06880-02 Host defense mechanism to oral bacteria (mice, rabbits, human)
R01DE-07378-01 Human osteoclast-activating factor (mice, rats)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

BLOOD CELLS, T LYMPHOCYTES
** P50DE-02600-19 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
P50DE-02600-19 0023 Support for oral biology research center - Regulation of antibody response (mice)
** P50DE-02623-18 0035 Center for oral health research - Cellular aspects of the muring IgA response
P50DE-02670-19 0037 Institute of dental research - IgA responses to S mutans--Induction and regulation
P50DE-02731-19 0035 Development support for dental research institute - Immunology laboratory
R01DE-03420-13 Immune phenomena in experimental periodontal disease (rats)
R01DE-04217-11 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-04733-08 Secretory immune response and S mutans glucosyltransferase (mammals)
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
P50DE-05139-08 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05626-05 Role of complement in periodontal disease
R01DE-06014-04 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
R01DE-06880-02 Host defense mechanism to oral bacteria (mice, rabbits, human)
R01DE-07378-01 Human osteoclast-activating factor (mice, rats)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)
** R01DE-07688-01 Human T cell responses to herpes simplex virus antigens (human, mice)

BLOOD CELLS, T LYMPHOCYTES, HELPER
P50DE-02600-19 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
P50DE-07118-01 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
R01DE-07686-01 Regulation of antibody response to bacterial antigens (bacteria, mice)

BLOOD CELLS, T LYMPHOCYTES, SUPPRESSOR
P50DE-02600-19 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
R01DE-06900-01 Immunology of oral herpes simplex viral infections (human)
P50DE-07118-01 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
R01DE-07686-01 Regulation of antibody response to bacterial antigens (bacteria, mice)
R01DE-07688-01 Human T cell responses to herpes simplex virus antigens (human, mice)

BLOOD CELLS, MONOCYTES
** P50DE-02600-19 0030 Support for oral biology research center - Leukocyte function--Its role in periodontal disease (human)
P50DE-02600-19 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
R01DE-04217-11 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)
R01DE-05626-05 Role of complement in periodontal disease
** R01DE-06860-02 Complement monocyte interactions in periodontal disease
R01DE-06900-01 Immunology of oral herpes simplex viral infections (human)
** R23DE-07208-01 LPS-monocyte interactions in periodontal disease (guinea pigs)
R03DE-07278-01 Laminin and immune intervention in periodontal disease
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

BLOOD CHEMISTRY
SEE CHEMISTRY, CLINICAL, BLOOD

BLOOD CIRCULATION DYNAMICS
SEE CARDIOVASCULAR FUNCTION, BLOOD CIRCULATION DYNAMICS (GENERAL)

BLOOD CIRCULATORY SYSTEMS
SEE SKELETAL SYSTEM CIRCULATION

BLOOD COAGULATION, ANTITHROMBINS
** P50DE-02668-19 0190 Regional dental research center - Thrombin and prothrombin

BLOOD COAGULATION, FACTOR X
P50DE-02668-19 0190 Regional dental research center - Thrombin and prothrombin

BLOOD COAGULATION, FIBRINOGEN
P50DE-02668-19 0190 Regional dental research center - Thrombin and prothrombin
R23DE-07256-02 Attachment protein interaction with periodontal bacteria (mice)

BLOOD COAGULATION, PLASMINOGEN
R01DE-06028-02 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)

BLOOD COAGULATION, PLASMINOGEN ACTIVATORS
R01DE-06028-02 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)

BLOOD COAGULATION, PROTHROMBIN
P50DE-02668-19 0168 Regional dental research center - Platelets and thrombin (human)
** P50DE-02668-19 0190 Regional dental research center - Thrombin and prothrombin

BLOOD COAGULATION, THROMBIN
** P50DE-02668-19 0168 Regional dental research center - Platelets and thrombin (human)
** P50DE-02668-19 0190 Regional dental research center - Thrombin and prothrombin
R01DE-06427-04 Permeability characteristics of dentin (dogs, human)

BLOOD FLOW
SEE CARDIOVASCULAR FUNCTION, BLOOD FLOW

BLOOD PLATELETS
SEE ALSO GROWTH FACTORS (INCL. ANABOLICS), PLATELET DERIVED GROWTH FACTOR
** P50DE-02668-19 0168 Regional dental research center - Platelets and thrombin (human)
P50DE-02668-19 0190 Regional dental research center - Thrombin and prothrombin
** R01DE-05501-04 Platelet-Streptococcal interactions in endocarditis (human, rabbits)

BLOOD PLATELETS, PLATELET ACTIVATING FACTOR
SEE ALSO FATTY ACIDS, EICOSANOIDS, THROMBOXANES
P50DE-02668-19 0168 Regional dental research center - Platelets and thrombin (human)

BLOOD PLATELETS DEFECTS QUALITATIVE
SEE BLOOD PLATELETS DISORDERS, THROMBOCYTOPATHY

BLOOD PLATELETS DISORDERS, THROMBOCYTOPATHY
P50DE-02668-19 0168 Regional dental research center - Platelets and thrombin (human)

BLOOD PROTEINS
SEE ALSO IMMUNOLOGY, COMPLEMENT
R01DE-06427-04 Permeability characteristics of dentin (dogs, human)
P50DE-07009-02 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)

BLOOD STASIS
P50DE-02668-19 0168 Regional dental research center - Platelets and thrombin (human)
P50DE-02668-19 0190 Regional dental research center - Thrombin and prothrombin

BLOOD SUPPLY
SEE CARDIOVASCULAR SYSTEM, BLOOD SUPPLY

BLOOD TOXICOLOGY
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, HEMAGGLUTINATION*
** R01DE-06519-01 Dental amalgams contribution to blood mercury levels

BLOOD TOXICOLOGY, BACTEREMIA-SEPTICEMIA
** R03DE-07303-01 Consequences of bacteremia in atherosclerotic animals (rabbits, dogs)

BLOOD TOXICOLOGY, HEMOLYSINS
P50DE-02731-19 0019 Development support for dental research institute - Molecular biology laboratory

BODY CAVITIES, PERITONEUM
R03DE-06675-02 Biological evaluation of a new dental cement (rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number

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BODY FLUIDS (AND RELATED SUBSTANCES)
SEE ALSO BIOLOGICAL TRANSPORT, FLUID EXCHANGE AND TRANSPORT
SEE ALSO CELL FLUIDS
SEE ALSO ORAL-PHARYNGEAL, SALIVA
** R01DE-07376-01 Biochemical profile for gingival crevicular fluid

BODY FLUIDS, HYALINE SUBSTANCE
R23DE-06118-03 Acquired defects of the jaw joint (TMJ)--A model system (chickens, rabbits)

BODY FLUIDS, MILK
SEE ALSO REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS
P50DE-02668-19 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
R03DE-07014-01 Human PDL cell attachment to root surfaces

BODY FLUID BALANCE, ACID-BASE
SEE ALSO ACIDS-BASES, HYDROGEN-ION CONCENTRATION
R01DE-01554-24 Host factors in caries resistance (human, bacteria)
** R01DE-06127-03 Acid-base physiology of oral streptococci
** R01DE-06429-04 Influence of acid-base status on fluoride metabolism (mammals)
** P01DE-06946-02 0012 Pathophysiology of MPD and other facial pain syndromes - Effect of fatigue on pH and p02 in rabbit masseter
** P50DE-07010-02 0002 Specialized caries research center - Influence of plaque pH on mineralization
R01DE-07218-01 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)

BODY FLUID BALANCE, ACID-BASE, ANTIACIDOSIS DRUGS
** R03DE-07121-01 Acid production in craniofacial osteoclasts (mice)

BODY FLUID BALANCE, EDEMA
R01DE-06007-03 Periodontal tissue changes during pregnancy-lactation (rats)
N01DE-52558-00 Clinical studies of periodontal diseases in older adult
N01DE-52559-00 Clinical studies of periodontal diseases in older adults

BODY FLUID BALANCE, IONIC
SEE ALSO BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS
SEE ALSO BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT
SEE ALSO BODY FLUID BALANCE, ACID-BASE
SEE ALSO CALCIUM (MINERAL) BALANCE (METABOLISM)
P01DE-06946-02 0010 Pathophysiology of MPD and other facial pain syndromes - Tendon in normal and fatigued states (rat, human)
R23DE-07389-01 VIP receptors and submandibular gland function (rats)

BODY IMAGE
SEE SENSORY-PERCEPTUAL PROCESSES, BODY IMAGE

BODY MOVEMENT SENSE
SEE SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION

BODY PHYSICAL CHARACTERISTICS (GENERAL)
SEE ALSO SKELETAL DISORDERS DIAGNOSIS (INCL EXAMS)*
M P01DE-03610-19 Craniofacial growth and development
R01DE-06634-02 Cyclosporine in craniofacial composite tissue allografts (human, mammals)

BODY PHYSICAL CHARACTERISTICS, BODY WEIGHT
SEE ALSO GROWTH AND DEVELOPMENT
P50DE-07003-02 0006 Rochester caries research center - Hyposalivation, drug use and caries in the elderly

BODY PHYSICAL CHARACTERISTICS, CEPHALOMETRY
P01DE-02872-16 0018 Center for craniofacial anomalies - Computerization of clinical data
** P01DE-02872-16 0062 Center for craniofacial anomalies - Growth studies
** P01DE-03568-11 0010 Craniofacial anomalies--Etiology and treatment - Components of syndromes and their classification (human)
** P01DE-03568-11 0011 Craniofacial anomalies--Etiology and treatment - Development or growth patterns in craniofacial anomalies (human)
** P01DE-03568-11 0013 Craniofacial anomalies--Etiology and treatment - Development of new methods for the study of craniofacial anomalies
P01DE-03610-19 0016 Craniofacial growth and development - Craniofacial growth from change (human)
P01DE-03610-19 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis
R01DE-05410-06 Orthodontic treatment effects on craniofacial growth (human)
P01DE-06946-02 0004 Pathophysiology of MPD and other facial pain syndromes - Xeroradiographic tomography of the temporomandibular joint
** R03DE-07430-01 A study of facial features in cleft lip-palate families (human)
** R01DE-07690-01 Growth and development of the human head

BODY POSITION SENSE
SEE SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION

BODY REGIONS, HEAD
SEE ALSO BODY PHYSICAL CHARACTERISTICS, CEPHALOMETRY
SEE ALSO NEOPLASMS OF BODY REGIONS, HEAD AND NECK
SEE ALSO SKELETAL MOVEMENT, HEAD MOVEMENT
SEE ALSO SKELETAL SYSTEM, SKULL
R01DE-05215-07 Influences on stability following orthognathic surgerya (human)
** R01DE-05616-07 Matrix-cell interaction in craniofacial development (chick and quail embryos)
** R01DE-06632-03 Origin and patterning of head muscles, bones and nerves (quail, chick embryos)
** R23DE-07006-01 Synthesis of a craniofacial wound healing factor (human)
** R23DE-07559-01 Synthesis of a craniofacial wound healing factor (human)

BODY REGIONS, HEAD, FACE
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL
SEE ALSO NASAL, NOSE
SEE ALSO ORAL-FACIAL RESTORATION
** P50DE-02668-19 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
** P50DE-02668-19 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
** P50DE-02668-19 0197 Regional dental research center - Ultracytochemical and immunocytochemical studies of nerve tissue
M P01DE-03610-19 Craniofacial growth and development
** P01DE-03610-19 0016 Craniofacial growth and development - Craniofacial growth from change (human)
** R01DE-04531-08 Strain in the facial bones (monkeys)
** R01DE-04859-06 Tissue interactions in the cranio-facial region (mice, chick embryos)
** R01DE-05232-07 Musculoskeletal adaptation to increased midfacial height (monkeys)
** R01DE-05616-07 Matrix-cell interaction in craniofacial development (chick and quail embryos)
R01DE-05728-04 Role of chemoreceptors in craniofacial function (lambs)
** R23DE-07006-01 Synthesis of a craniofacial wound healing factor (human)
** R01DE-07120-02 Cell-substrate interaction in craniofacial morphogenesis
** R23DE-07559-01 Synthesis of a craniofacial wound healing factor (human)
** R01DE-07690-01 Growth and development of the human head

BODY SENSE
SEE SENSORY-PERCEPTUAL PROCESSES, SOMESTHESIS

BODY WEIGHT
SEE BODY PHYSICAL CHARACTERISTICS, BODY WEIGHT

BOND CLEAVAGE
SEE CHEMICAL BONDS, BOND CLEAVAGE

BOND FORMATION
SEE CHEMICAL BONDS, BOND FORMATION

BONDING
SEE DENTAL MATERIALS, BONDING

BONE
SEE SKELETAL SYSTEM, BONE

BONE AND CARTILAGE CONGENITAL ABNORMALITIES
SEE CONGENITAL ABNORMALITIES, SKELETAL (GENERAL)

BONE CELLS
SEE SKELETAL SYSTEM, BONE CELLS

BONE CIRCULATION
SEE SKELETAL SYSTEM CIRCULATION

BONE DENSITY
SEE SKELETAL SYSTEM, BONE DENSITY

BONE DEVELOPMENT
SEE SKELETAL SYSTEM, BONE DEVELOPMENT

BONE DEVELOPMENT DISORDERS
SEE SKELETAL DISORDERS, BONE DEVELOPMENT

BONE DEVELOPMENT DISORDERS CONGENITAL
SEE CONGENITAL ABNORMALITIES, SKELETAL (GENERAL)

BONE DISORDERS
SEE SKELETAL DISORDERS, BONE DISORDERS (GENERAL)

BONE DISORDERS, METABOLIC (GENERAL)
SEE SKELETAL DISORDERS, BONE METABOLISM (GENERAL)

BONE FRACTURES
SEE INJURIES, FRACTURES

BONE MARROW LYMPHOCYTES
SEE BLOOD CELLS, B LYMPHOCYTES

BONE METABOLISM
SEE SKELETAL SYSTEM, BONE METABOLISM

BONE METABOLISM DISORDERS (GENERAL)
SEE SKELETAL DISORDERS, BONE METABOLISM (GENERAL)

BONE MINERALIZATION
SEE SKELETAL SYSTEM, BONE DEVELOPMENT, OSSIFICATION NORMAL

BONE NEOPLASMS
SEE NEOPLASMS OF SKELETAL SYSTEM, BONE NEOPLASMS

BONE REGENERATION
SEE SKELETAL SYSTEM REGENERATION, BONE REGENERATION

BONE RESORPTION, TEETH
SEE DENTAL DISORDERS, TOOTH RESORPTION

BONE RESORPTION ABNORMAL
SEE SKELETAL DISORDERS, BONE RESORPTION ABNORMAL

BONE RESORPTION INHIBITORS
SEE CALCIFICATION ENHANCING AGENTS

BONE RESORPTION-REMODELING PHYSIOLOGIC
SEE SKELETAL SYSTEM, BONE METABOLISM, BONE RESORPTION-REMODELING PHYSIOLOGIC

BONE STRESS
SEE SKELETAL STRESS

BONE TRANSPLANTATION
SEE SKELETAL TISSUE TRANSPLANTATION, BONE

BRADYKININ
SEE PEPTIDES, VASOACTIVE PEPTIDES, KALLIDIN-9

BRAIN
SEE ALSO NERVOUS SYSTEM, CRANIAL NERVES
SEE ALSO NERVOUS SYSTEM CENTRAL
R03DE-07149-01 Ethanol teratogenicity at early somite stages in mice

BRAIN, BASAL GANGLIA
** R03DE-07282-01 Basal ganglia-trigeminal interactions (cats)

BRAIN, BRAIN STEM
SEE ALSO BRAIN, MEDULLA OBLONGATA
SEE ALSO BRAIN, PONS
SEE ALSO BRAIN, RETICULAR FORMATION
** R01DE-04786-08 Dental and orofacial pain--Brain stem mechanisms (cats)
P01DE-05130-06 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Near and far field evoked potentials and pain reactivity (cats, monkeys)
R01DE-05404-07 Dental pain--Studies on trigeminal nucleus caudalis (cats)
R01DE-05728-04 Role of chemoreceptors in craniofacial function (lambs)
** R01DE-06193-03 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)
R01DE-06528-03 Trigeminal primary afferent organization and development (rats)
** R01DE-06682-03 CNS modulation of orofacial input (rats, cats)
** R01DE-06717-01 Jaw movements and masseter activity during chewing (human)

BRAIN, CEREBRAL CORTEX
SEE ALSO BRAIN, THALAMOCORTICAL TRACTS
SEE ALSO BRAIN ELECTRICAL ACTIVITY
P01DE-05130-06 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Near and far field evoked potentials and pain reactivity (cats, monkeys)
R01DE-05404-07 Dental pain--Studies on trigeminal nucleus caudalis (cats)

BRAIN, CEREBRAL CORTEX, SOMESTHETIC SENSORY AREA
SEE ALSO NERVOUS SYSTEM, AFFERENT NERVES, CUTANEOUS SENSORY NERVES
SEE ALSO NERVOUS SYSTEM, AFFERENT NERVES, SOMATIC AFFERENT NERVES
** P50DE-02668-19 0210 Regional dental research center - Somesthetic capacities of human subjects (monkeys)

BRAIN, MEDULLA OBLONGATA
R01DE-07133-02 Peripheral and central mechanisms of dental pain (monkeys, rats)

BRAIN, MESENCEPHALON
R01DE-05159-07 Distribution and ultrastructure of dental innervation (rats, primates, dogs)

BRAIN, PONS
R01DE-07133-02 Peripheral and central mechanisms of dental pain (monkeys, rats)

BRAIN, PONS, TRIGEMINAL NUCLEUS (SPINAL)
** R01DE-05404-07 Dental pain--Studies on trigeminal nucleus caudalis (cats)
** R01DE-06528-03 Trigeminal primary afferent organization and development (rats)
R23DE-06554-03 Organization of cortical tooth representations (monkeys)
** R01DE-06682-03 CNS modulation of orofacial input (rats, cats)
** R01DE-06725-02 Anatomical studies of sensory trigeminal nuclei (rats)
R23DE-07695-01 Organization of cortical tooth representations (monkeys)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects. See Appendix for investigator's name and Grant Number.

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BRAIN, RETICULAR FORMATION
** R01DE-06193-03 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)

BRAIN, THALAMOCORTICAL TRACTS
R01DE-05404-07 Dental pain--Studies on trigeminal nucleus caudalis (cats)

BRAIN, THALAMUS
R01DE-05404-07 Dental pain--Studies on trigeminal nucleus caudalis (cats)
R23DE-06554-03 Organization of cortical tooth representations (monkeys)
R23DE-07695-01 Organization of cortical tooth representations (monkeys)

BRAIN ELECTRICAL ACTIVITY
** P01DE-05130-06 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and orofacial pain in man
** P01DE-06946-02 0013 Pathophysiology of MPD and other facial pain syndromes - Psychophysiologic response of MPD patients to pain

BRAIN NEUROREGULATORS
SEE NEUROTRANSMITTERS AND NEUROMODULATORS, PEPTIDES

BRAIN OSCILLOGRAPHY
SEE BRAIN ELECTRICAL ACTIVITY

BRAIN PEPTIDES
SEE NEUROTRANSMITTERS AND NEUROMODULATORS, PEPTIDES

BRAIN STEM
SEE BRAIN, BRAIN STEM

BREAST
SEE REPRODUCTIVE SYSTEM, FEMALE, MAMMARY GLANDS

BREATHING
SEE RESPIRATORY FUNCTION, RESPIRATION

BRITTLE DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, INSULIN-DEPENDENT DIABETES

BRUXISM
SEE DENTISTRY, BRUXISM

BUCCAL CAVITY
SEE ORAL-PHARYNGEAL, MOUTH

BULIMIA
SEE NUTRIENT INTAKE DISORDERS, BULIMIA

BURSA DEPENDENT IMMUNE SYSTEM
SEE IMMUNITY, HUMORAL IMMUNITY

C'
SEE IMMUNOLOGY, COMPLEMENT

C DOMAINS
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

C GENE
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

C-MYC ONCOGENE
SEE GENETICS, GENES, ONCOGENES

C-PEPTIDE
SEE PANCREAS HORMONES, INSULIN

C3 CONVERTASE (C2-C4)
SEE IMMUNOLOGY, COMPLEMENT

C3 FRACTIONS AS CHEMOTACTIC FACTORS
SEE IMMUNOLOGY, COMPLEMENT, CHEMOTACTIC FACTORS

C5 FRACTIONS AS CHEMOTACTIC FACTORS
SEE IMMUNOLOGY, COMPLEMENT, CHEMOTACTIC FACTORS

CA
SEE CALCIUM

CADMIUM (COMPOUNDS)
SEE METALS, HEAVY METALS, CADMIUM (COMPOUNDS)

CALCIFICATION, DENTAL PULP
SEE DENTAL PULP DISORDERS, DENTAL PULP CALCIFICATION

CALCIFICATION ENHANCING AGENTS
SEE ALSO THYROID HORMONES, (THYRO)CALCITONIN
R01DE-04749-06 F-releasing and acid barrier-polymer caries therapies
R01DE-06105-03 Using fluoride-chlorhexidine to prevent radiation caries (human)
** R01DE-06564-04 Remineralization of enamel caries in vitro (human)
R01DE-06738-02 Fluoride effect on human tooth root caries (rats)
R01DE-06761-02 Prevention of surface zone limited caries of enamel
R03DE-06907-02 Osteogenic potential of DBP and hydroxylapatite in dogs
R01DE-07223-01 Magnesium and calcium phosphate formation and stability (humans, fish)
R03DE-07319-02 Intermicroscopic correlation of remineralization
R03DE-07410-01 Effect of fluoride nucleation on glass-ceramic formation

CALCIFICATION INHIBITORS
R01DE-05672-03 Anionic salivary proteins in dental integuments (Macaca facicularis)
R01DE-07223-01 Magnesium and calcium phosphate formation and stability (humans, fish)

CALCIFICATION PATHOLOGIC
SEE CALCIUM (MINERAL) IMBALANCES, CALCIFICATION PATHOLOGIC

CALCIFICATION PHYSIOLOGIC
SEE CALCIUM (MINERAL) BALANCE, CALCIFICATION PHYSIOLOGIC

CALCINEURIN
SEE PROTEINS, CALCIUM BINDING PROTEINS

CALCINOSIS
SEE CALCIUM (MINERAL) IMBALANCES, CALCIFICATION PATHOLOGIC

CALCITONIN
SEE THYROID HORMONES, (THYRO)CALCITONIN

CALCITRIOL
SEE VITAMINS, VITAMIN D, 1,25-DIHYDROXYCHOLECALCIFEROL

CALCIUM
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY CALCIUM
SEE ALSO PROTEINS, CALCIUM BINDING PROTEINS
R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
P50DE-02670-19 0039 Institute of dental research - Structure and function of latent collagenase
R01DE-03246-16 Biochemical mechanisms relevant to dentistry
R01DE-04385-10 Mechanism of dental caries
P50DE-05139-08 0003 Clinical research center for periodontal disease - Human genetics section
** R01DE-05249-06 Salivary secretion - role of calcium (mice)
R01DE-05289-07 Uptake and binding by early enamel matrix (rats)
R01DE-06128-02 Synthesis-testing of a herpesvirus antiviral agent
P50DE-07003-02 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)
P50DE-07003-02 0008 Rochester caries research center - Identifying caries susceptible subjects
P50DE-07010-02 0001 Specialized caries research center - Prevention of caries in overdenture abutments (humans)
R03DE-07299-01 Ultramicro analysis of plaque samples from single sites
** R03DE-07426-01 Calcium, fluoride and hydrogen ions in caries (human)

CALCIUM, CALCIUM ANTAGONISTS
SEE ALSO PROTEINS, CALCIUM BINDING PROTEINS
R03DE-07412-01 Effect of zinc on intestinal absorption of calcium (human)

CALCIUM, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY CALCIUM

CALCIUM ANTAGONISTS
SEE CALCIUM, CALCIUM ANTAGONISTS

CALCIUM BINDING PROTEINS
SEE PROTEINS, CALCIUM BINDING PROTEINS

CALCIUM CARBONATE
R01DE-07223-01 Magnesium and calcium phosphate formation and stability (humans, fish)

CALCIUM CHANNEL BLOCKING AGENTS
SEE CALCIUM, CALCIUM ANTAGONISTS

CALCIUM CHELATORS
SEE CALCIUM, CALCIUM ANTAGONISTS

CALCIUM DEPENDENT REGULATOR PROTEIN
SEE PROTEINS, CALCIUM BINDING PROTEINS

CALCIUM METABOLISM DISORDERS
SEE CALCIUM (MINERAL) IMBALANCES

CALCIUM (MINERAL) BALANCE (METABOLISM)
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY CALCIUM
SEE ALSO PROTEINS, CALCIUM BINDING PROTEINS
P01DE-01850-22 0091 Nutritional sources and metabolic roles of fluoride - Metabolic changes in repletion of bone and effect of fluoride intake (rats)
P01DE-01850-22 0093 Nutritional sources and metabolic roles of fluoride - Effect of calcium deficiency on the mobilization of skeletal fluoride (rats)
R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
P50DE-02623-18 0030 Center for oral health research - Cellular control of mineralization
P50DE-02668-19 0215 Regional dental research center - Osteopenia--factors influencing development and recovery (rats)
** P50DE-02670-19 0003 Institute of dental research - Macromolecules of mineralized tissues
P50DE-02670-19 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
** R01DE-03223-15 Kinetics of mineralization of teeth (human)
R01DE-03915-12 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
R01DE-05249-06 Salivary secretion - role of calcium (mice)
** R01DE-05289-07 Uptake and binding by early enamel matrix (rats)
R01DE-05323-04 Calcium ion interactions in developing dental tissues (rats)
R01DE-06007-03 Periodontal tissue changes during pregnancy-lactation (rats)
** R01DE-06071-02 Calcium metabolism in Streptococcus mutans
R01DE-06185-02 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-06533-03 Vesicles and endochondral bone formation (chickens)
R01DE-06904-02 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
R01DE-06913-03 Modulating role of prostaglandins in salivary glands (rats)
R03DE-06937-02 Structure-activity of polycarboxylate absorption by hydroxyapatite
R01DE-06951-02 Study of F actions on human root surface caries
** R01DE-07223-01 Magnesium and calcium phosphate formation and stability (humans, fish)
** R01DE-07341-01 Second messenger function in exocrine glands (rats)
R23DE-07384-01 Effects of chronic high fluoride on enamel development (rats)
R23DE-07391-01 Insulin and protein synthesis in the rat gland
** R03DE-07412-01 Effect of zinc on intestinal absorption of calcium (human)
** R01DE-07431-08 Ultrastructual studies of mineralized tissue (chicks, rats)

CALCIUM (MINERAL) BALANCE, CALCIFICATION PHYSIOLOGIC
SEE ALSO DENTAL DEVELOPMENT, DENTINOGENESIS
SEE ALSO SKELETAL SYSTEM, BONE DEVELOPMENT, OSSIFICATION NORMAL
R01DE-01374-25 Matrix component interactions in bone and dentin (rabbits, rats, mice)
P50DE-02668-19 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)
** R01DE-04008-11 Cellular and developmental control of calcification (chick embryo)
** R01DE-04141-11 Mechanism of hard tissue mineralization (human, rats)
R01DE-04486-08 Kinetics and mechanisms of action of fluorides (human)
** R01DE-05262-06 Mineralization in oral biology (mice, rats)
** R01DE-05769-07 Ultrastructure of tooth development (rats)
** R01DE-05932-05 The role of lipoproteins in microbial calcification
** R01DE-05937-05 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
** R23DE-06739-02 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
** R01DE-06761-02 Prevention of surface zone limited caries of enamel
** R23DE-06829-03 Acid-etching and remineralization of enamel caries in vitro
P50DE-07010-02 0002 Specialized caries research center - Influence of plaque pH on mineralization
R13DE-07080-01 Gordon research conference on calcium phosphates, 1985
** R03DE-07319-02 Intermicroscopic correlation of remineralization

CALCIUM (MINERAL) BALANCE, DECALCIFICATION PHYSIOLOGIC
SEE ALSO SKELETAL SYSTEM, BONE METABOLISM, BONE RESORPTION-REMODELING PHYSIOLOGIC
** R01DE-06569-04 Quantitation of enamel demineralization mechanisms
R23DE-07328-01 A quantitative study of lesion formation in animal models (also human)

CALCIUM (MINERAL) BALANCE, PHOSPHORUS BALANCE (METABOLISM)
P50DE-02668-19 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
R01DE-06373-03 Saliva formation studied by microprobe analysis (rats)

CALCIUM (MINERAL) IMBALANCES
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY CALCIUM
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM (GENERAL)
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM, RICKETS
SEE ALSO SKELETAL DISORDERS, OSSIFICATION PATHOLOGIC
SEE ALSO URINARY TRACT DISORDERS, URINARY CALCULI
P01DE-01850-22 0091 Nutritional sources and metabolic roles of fluoride - Metabolic changes in repletion of bone and effect of fluoride intake (rats)
** P01DE-01850-22 0093 Nutritional sources and metabolic roles of fluoride - Effect of calcium deficiency on the mobilization of skeletal fluoride (rats)
R13DE-07080-01 Gordon research conference on calcium phosphates, 1985

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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** R23DE-07388-01 Glucan-mediated intraoral demineralization by S mutans (human)
R03DE-07412-01 Effect of zinc on intestinal absorption of calcium (human)

CALCIUM (MINERAL) IMBALANCES, CALCIFICATION PATHOLOGIC
SEE ALSO SKELETAL DISORDERS, OSSIFICATION PATHOLOGIC
SEE ALSO URINARY TRACT DISORDERS, URINARY CALCULI
** R01DE-04141-11 Mechanism of hard tissue mineralization (human, rats)
R01DE-05262-06 Mineralization in oral biology (mice, rats)
R03DE-07319-02 Intermicroscopic correlation of remineralization

CALCIUM (MINERAL) IMBALANCES, DECALCIFICATION PATHOLOGIC
SEE ALSO SKELETAL DISORDERS, BONE RESORPTION ABNORMAL
** P50DE-07009-02 0005 Specialized caries research centers - Physical, chemical and microbiological aspects of root caries formation (human)
** P50DE-07010-02 0002 Specialized caries research center - Influence of plaque pH on mineralization
P50DE-07010-02 0004 Specialized caries research center - Carbohydrates in root caries
R03DE-07412-01 Effect of zinc on intestinal absorption of calcium (human)

CALCIUM (MINERAL) IMBALANCES, HYPOCALCEMIA
R03DE-07412-01 Effect of zinc on intestinal absorption of calcium (human)

CALCIUM PHOSPHATE CRYSTALLIZATION ENHANCERS
SEE CALCIFICATION ENHANCING AGENTS

CALCIUM PHOSPHATE CRYSTALLIZATION INHIBITORS
SEE CALCIFICATION INHIBITORS

CALCIUM PHOSPHATES
** P50DE-02670-19 0001 Institute of dental research - X-ray crystallography program
** R01DE-03223-15 Kinetics of mineralization of teeth (human)
R01DE-04308-11 Cellular and developmental control of calcification (chick embryo)
R01DE-04141-11 Mechanism of hard tissue mineralization (human, rats)
** R01DE-05030-07 Crystal chemistry of calcium phosphates (human, rats)
** R13DE-07080-01 Gordon research conference on calcium phosphates, 1985
R03DE-07410-01 Effect of fluoride nucleation on glass-ceramic formation

CALCIUM PHOSPHATES, APATITES
** R01DE-01912-22 Tooth enamel apatite at the atomic level (human)
** R01DE-03187-14 Transport in enamel and solubility of enamel (human)
** R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)
R01DE-04705-06 Reactions of titanium fluoride with hydroxpatite
R01DE-05067-07 Interaction of topical fluoride with human enamel (rats, hamsters)
R01DE-05289-07 Uptake and binding by early enamel matrix (rats)
R01DE-05354-08 Prevention of dental caries
R01DE-06557-02 Effects of barium on human enamel and dental caries (rats)
R01DE-06569-04 Quantitation of enamel demineralization mechanisms
P50DE-07003-02 0004 Rochester caries research center - Salivary pellicle and dental caries (human)
R13DE-07080-01 Gordon research conference on calcium phosphates, 1985
** R01DE-07223-01 Magnesium and calcium phosphate formation and stability (humans, fish)

CALCIUM PHOSPHATES, HYDROXYAPATITE
R01DE-01912-22 Tooth enamel apatite at the atomic level (human)
** P50DE-02670-19 0036 Institute of dental research - Dental caries preventive measures (rats)
R01DE-03187-14 Transport in enamel and solubility of enamel (human)
R01DE-03758-11 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
R01DE-04141-11 Mechanism of hard tissue mineralization (human, rats)
R01DE-04385-10 Mechanism of dental caries
** R01DE-04614-09 Adherence of oral streptococci to hydroxyapatite
** R01DE-04705-06 Reactions of titanium fluoride with hydroxpatite
R01DE-05030-07 Crystal chemistry of calcium phosphates (human, rats)
R01DE-05129-08 Improvement of preventive and restorative materials (monkeys)
R01DE-05354-08 Prevention of dental caries
R01DE-05932-05 The role of lipoproteins in microbial calcification
R01DE-05937-05 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06127-03 Acid-base physiology of oral streptococci
R01DE-06533-03 Vesicles and endochondral bone formation (chickens)
** R01DE-06552-04 Hydroxyapatite remineralization--The role of fluoride
R01DE-06569-04 Quantitation of enamel demineralization mechanisms
R01DE-06744-02 Adherence of oral bacteria to cell surface components (humans, rabbits)
R01DE-06746-02 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
** R03DE-06907-02 Osteogenic potential of DBP and hydroxylapatite in dogs
** R03DE-06937-02 Structure-activity of polycarboxylate absorption by hydroxyapatite
P50DE-07002-02 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents
P50DE-07117-01 0003 Periodontal disease research center - Two monitored patient groups--Immunology
R03DE-07410-01 Effect of fluoride nucleation on glass-ceramic formation
R01DE-07594-01 Enamel proteins

CALCIUM PUMP
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, CALCIUM PUMP

CALCIUM PUMP INHIBITORS
SEE CALCIUM, CALCIUM ANTAGONISTS

CALCULI
SEE URINARY TRACT DISORDERS, URINARY CALCULI

CALCULI DISSOLVING AGENTS
SEE ALSO CALCIFICATION INHIBITORS
R01DE-03223-15 Kinetics of mineralization of teeth (human)

CALCULUS, DENTAL
SEE DENTAL DEPOSITS

CALMODULIN
SEE PROTEINS, CALCIUM BINDING PROTEINS, CALMODULIN

CALORIC STIMULATION
SEE TEMPERATURE, HEAT, CALORIC STIMULATION

CALVARIUM
SEE SKELETAL SYSTEM, SKULL

CAMPYLOBACTER
SEE BACTERIA, PSEUDOMONADALES, VIBRIO*

CANCER AND FOODS
SEE NEOPLASTIC THERAPY, NUTRITIONAL THERAPY OF CANCER

CANCER CAUSING GENES
SEE GENETICS, GENES, ONCOGENES

CANCER CELLS
SEE NEOPLASTIC CELLS

CANCER CHEMOTHERAPY
SEE NEOPLASTIC THERAPY, CANCER CHEMOTHERAPY

CANCER COMPLICATIONS, INFECTIONS
SEE NEOPLASMS, CANCER COMPLICATIONS OF, INFECTIONS

CANCER COMPLICATIONS, NON-INFECTIOUS
SEE NEOPLASMS, CANCER COMPLICATIONS OF

CANCER IMMUNODIAGNOSIS
SEE NEOPLASMS DIAGNOSIS, IMMUNODIAGNOSIS OF NEOPLASMS

CANCER PATIENTS, DISEASE COMPLICATIONS
SEE NEOPLASMS, CANCER COMPLICATIONS OF

CANCER PREVENTION AND CONTROL (GENERAL)
SEE NEOPLASMS PREVENTION AND CONTROL

CANCER RADIOTHERAPY
SEE NEOPLASTIC THERAPY, CANCER RADIOTHERAPY

CANCER RISK
SEE NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS, CANCER RISK

CANCER SURGERY
SEE NEOPLASMS SURGERY

CANCER THERAPY, NUTRITIONAL
SEE NEOPLASTIC THERAPY, NUTRITIONAL THERAPY OF CANCER

CANDIDA ALBICANS
SEE FUNGI, YEASTS, CANDIDA ALBICANS*

CANDIDIASIS
SEE MYCOSES, MONILIASIS

CANKER SORE
SEE ORAL-PHARYNGEAL DISORDERS, STOMATITIS, APHTHOUS

CANNULATION
R01DE-06000-05 Effect of parotid function on saliva and cells (rats)

CAPILLARY BEDS
SEE CARDIOVASCULAR SYSTEM, CAPILLARY BEDS

CAPRONOR TM DRUG DELIVERY SYSTEM
SEE DRUGS, DRUG DELIVERY SYSTEMS

CAPSULES
SEE DOSAGE FORMS

CARBACHOL
SEE CHOLINE, CARBACHOL

CARBOHYDRASES
R01DE-07518-09 Streptococcus sanguis receptors for salivary glycoproteins

CARBOHYDRASES, N-ACETYLGLUCOSAMINIDASES
P50DE-05139-08 0003 Clinical research center for periodontal disease - Human genetics section

CARBOHYDRASES, AMYLASE
R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
R01DE-04387-09 Effect of fluoride on cAMP and glucose metabolism (rats)
R01DE-05249-06 Salivary secretion - role of calcium (mice)
R01DE-05251-06 Salivary gland secretory mechanisms (rats)
R01DE-06115-02 Protein phosphorylation in parotid gland secretion (rabbits)
R01DE-06185-02 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-06511-03 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)
R01DE-06913-03 Modulating role of prostaglandins in salivary glands (rats)
R03DE-07024-02 Oral signs and symptoms in bulimic patients
R01DE-07341-01 Second messenger function in exocrine glands (rats)

CARBOHYDRASES, ALPHA-AMYLASE
R01DE-04960-07 Mechanisms of salivary gland development (mice, rabbits, rats)

CARBOHYDRASES, BETA-FRUCTOFURANOSIDASE
R01DE-03258-14 Cloning of streptococcus mutans genes (human, rabbits)
R23DE-07318-01 Functional role of IgA antibodies to Streptococcus mutans (rabbits)

CARBOHYDRASES, ALPHA 1,4-GLUCAN GLUCOHYDROLASE
R01DE-03758-11 Virulence and competition against streptococcus mutans (hamsters, mice, rats)

CARBOHYDRASES, BETA-GLUCURONIDASE
R01DE-07376-01 Biochemical profile for gingival crevicular fluid

CARBOHYDRASES, HYALURONIDASE
** R01DE-05838-06 Morphogenetic role of glycosaminoglycans (chick embryo)
** R23DE-06849-03 Identification of intraoral mucosal wound hyaluronidase (rabbits)
R03DE-07014-01 Human PDL cell attachment to root surfaces

CARBOHYDRASES, LYSOZYME
R01DE-04217-11 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
R23DE-07233-01 Multivariate analysis of saliva antimicrobial proteins (humans)

CARBOHYDRASES, NEURAMINIDASE
R01DE-06744-02 Adherence of oral bacteria to cell surface components (humans, rabbits)

CARBOHYDRATE BALANCE, GLUCOSE TOLERANCE
R01DE-06514-04 Oral diseases and diabetes in the Gila River Indian Community

CARBOHYDRATES
SEE ALSO GLYCOLIPIDS
SEE ALSO GLYCOPROTEINS
SEE ALSO NUCLEOTIDES
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY CARBOHYDRATES
SEE ALSO OLIGOSACCHARIDES
SEE ALSO POLYSACCHARIDES
P50DE-02670-19 0001 Institute of dental research - X-ray crystallography program
P50DE-02670-19 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology
R01DE-05666-05 Biochemistry of salivary lipids (rats, human)
R01DE-06051-04 Membranes of the dental pathogen Strentococcus mutans (rabbits)
R01DE-06644-03 Physiology of oral bacteria--Sugar, PH and F relations
R01DE-06744-02 Adherence of oral bacteria to cell surface components (humans, rabbits)
R01DE-06746-02 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
P50DE-07003-02 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
R03DE-07146-01 Biochemistry of Streptococcus mutans ribosomes (rabbits)

(cont'd)

*Excludes routine methodology CR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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CARBOHYDRATES, AMINO SUGARS
SEE ALSO SUGAR ACIDS, MURAMIC ACID
SEE ALSO SUGAR ACIDS, SIALIC ACIDS
R01DE-06051-04 Membranes of the dental pathogen Streptococcus mutans (rabbits)

CARBOHYDRATES, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY CARBOHYDRATES

CARBOHYDRATES, PROTEIN BOUND CARBOHYDRATES
SEE ALSO GLYCOPROTEINS
R01DE-05838-06 Morphogenetic role of glycosaminoglycans (chick embryo)
R01DE-06970-02 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R01DE-06991-02 Plasma membranes and secretory granules in secretion (rats, rabbits)

CARBOHYDRATES BIOSYNTHESIS
** P50DE-02670-19 0024 Institute of dental research - Biosynthesis of heparin and heparin sulfate
** R01DE-03246-16 Biochemical mechanisms relevant to dentistry
** R01DE-03578-14 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-03731-10 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03739-13 Glycosyltransferases from oral bacteria
R01DE-04224-11 Studies on the genetics of oral microflora (rats)
R23DE-06243-03 The extracellular matrix in neural crest formation (mice, chick, rat)
R23DE-07388-01 Glucan-mediated intraoral demineralization by S mutans (human)

CARBOHYDRATES METABOLISM
SEE ALSO CARBOHYDRATES BIOSYNTHESIS
SEE ALSO CHEMICAL REACTIONS, GLYCOSYLATION
R01DE-04008-11 Cellular and developmental control of calcification (chick embryo)
R01DE-04235-09 Peroxidase in saliva and prevention of oral disease (human, S mutants)
** R01DE-05253-06 Measurements of enamel permeability as related to caries (human)
R01DE-05838-06 Morphogenetic role of glycosaminoglycans (chick embryo)
R01DE-05966-04 Mechanisms of sugar transport in streptococcus mutans
R23DE-06243-03 The extracellular matrix in neural crest formation (mice, chick, rat)
P50DE-07003-02 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
P50DE-07003-02 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)
** P50DE-07010-02 0004 Specialized caries research center - Carbohydrates in root caries

CARBOHYDRATES METABOLISM, GLUCOSE METABOLISM
SEE ALSO HEXOSES, GLYCOLYSIS
SEE ALSO TRICARBOXYLIC ACIDS, KREBS CYCLE
R01DE-02342-14 Normal and altered oral mucosa (rats)
R01DE-03578-14 Biosynthetic study of dental plaque polysaccharides (bacteria)
** R01DE-04387-09 Effect of fluoride on cAMP and glucose metabolism (rats)
P50DE-07003-02 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
R23DE-07113-02 Isolation and characterization of osteoclasts (chicks)
R03DE-07283-01 Diabetes risk assessment in the elderly dental patient

CARBOHYDRATES METABOLISM DISORDERS, DIABETES
SEE ALSO CARBOHYDRATE BALANCE, GLUCOSE TOLERANCE
P50DE-02731-19 0021 Development support for dental research institute - Bacteriology laboratory (human)
** R01DE-03318-14 The molecular nature of gingival and mucosal collagen (rats)
** R01DE-05990-02 Periodontitis, leukocyte function and diabetic status (human)
** R23DE-06832-02 Experimental diabetes and periodontitis (monkeys)
P50DE-07009-02 0001 Specialized caries research centers - Clinical studies of root caries (human)
** R03DE-07283-01 Diabetes risk assessment in the elderly dental patient

CARBOHYDRATES METABOLISM DISORDERS, DIABETES, DRUG-INDUCED
** R01DE-03987-11 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)

CARBOHYDRATES METABOLISM DISORDERS, DIABETES, GENETICS AND DIABETES
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS), ANTIGENS OF DIABETES
R01DE-06514-04 Oral diseases and diabetes in the Gila River Indian Community

CARBOHYDRATES METABOLISM DISORDERS, DIABETES, INSULIN-DEPENDENT DIABETES
P50DE-02731-19 0021 Development support for dental research institute - Bacteriology laboratory (human)
R01DE-03987-11 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
** R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

CARBOHYDRATES METABOLISM DISORDERS, DIABETES, NONINSULIN-DEPENDENT DIABETES
** R01DE-06514-04 Oral diseases and diabetes in the Gila River Indian Community

CARBOHYDRATES METABOLISM DISORDERS, DIABETES THERAPY
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

CARBOHYDRATES METABOLISM DISORDERS, DIABETIC NEPHROPATHIES
R01DE-06514-04 Oral diseases and diabetes in the Gila River Indian Community

CARBOHYDRATES METABOLISM DISORDERS, DIABETIC OCULOPATHY, DIABETIC RETINOPATHY
R01DE-05990-02 Periodontitis, leukocyte function and diabetic status (human)
R01DE-06514-04 Oral diseases and diabetes in the Gila River Indian Community

CARBOHYDRATES STRUCTURE
** R01DE-03578-14 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-04971-07 Salivary mucins and dental diseases (human)
** R01DE-05672-03 Anionic salivary proteins in dental integuments (Macaca facicularis)
R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R01DE-07267-02 Periodontopathic bacteria--Chemical-biologic nature (animals)

CARBOHYDRATES TRANSPORT (GENERAL)
P50DE-02623-18 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
R01DE-03758-11 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
R01DE-03917-10 Fluoride and the metabolism of plaque bacteria
** R01DE-05966-04 Mechanisms of sugar transport in streptococcus mutans

CARBOHYDRATES TRANSPORT, GLUCOSE TRANSPORT
R01DE-06644-03 Physiology of oral bacteria--Sugar, PH and F relations
R23DE-07391-01 Insulin and protein synthesis in the rat gland

CARBON DIOXIDE
SEE RESPIRATORY GASES, CARBON DIOXIDE

CARBONATES
SEE ALSO CALCIUM CARBONATE
R01DE-01912-22 Tooth enamel apatite at the atomic level (human)
R01DE-03223-15 Kinetics of mineralization of teeth (human)
R01DE-06996-01 Biological molecules in the corrosion of dental alloys

CARBONATES, BICARBONATES
R01DE-06859-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

CARBONIC ANHYDRASE
SEE DEHYDRATASES, CARBONIC ANHYDRASE

CARBOPOLYCYCLICS
SEE CYCLICS, CARBOPOLYCYCLICS

CARBOXYCATHEPSIN
SEE PROTEASES AND PEPTIDASES, DIPEPTIDYL CARBOXYPEPTIDASE

GAMMA-CARBOXYGLUTAMIC ACID
SEE DICARBOXYLIC AMINO ACIDS, GLUTAMATES, GAMMA-CARBOXYGLUTAMIC ACID

3-CARBOXYLIC ACID
SEE VITAMINS, NIACINS, NICOTINIC ACID

CARBOXYLIC ACIDS
SEE ALSO AMINO ACIDS
SEE ALSO FATTY ACIDS
R01DE-05839-03 In vivo vs in vitro cement solubility--Correlative study
** R03DE-06937-02 Structure-activity of polycarboxylate absorption by hydroxyapatite

CARBOXYLIC ACIDS, KETO ACIDS
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

CARBOXYLIC ACIDS, 2-PROPYL VALERIC ACID
** R03DE-06272-02 Oxygen and sodium valproate induced craniofacial defects (mice)

CARCINOGENESIS (GENERAL)
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENESIS (GENERAL)

CARCINOGENESIS, CHEMICAL
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, CHEMICAL

CARCINOGENESIS, VIRAL
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, VIRAL

CARCINOGENESIS INHIBITORS
SEE NEOPLASTIC THERAPY, CARCINOGENESIS INHIBITORS

CARCINOGENS, CHEMICAL
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENS, CHEMICAL

CARCINOMA
SEE NEOPLASMS, CARCINOMA

CARCINOMA EPIDERMOID
SEE NEOPLASMS, CARCINOMA EPIDERMOID

CARDIAC GLYCOSIDES, OUABAIN
R01DE-05586-05 Cell surface studies of the enamel organ (mice)

CARDIOLIPINS
SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, CARDIOLIPINS

CARDIOVASCULAR DISORDERS, ARTERIOSCLEROSIS, ATHEROSCLEROSIS
** R03DE-07303-01 Consequences of bacteremia in atherosclerotic animals (rabbits, dogs)

CARDIOVASCULAR DISORDERS, THROMBOSIS
P50DE-02668-19 0190 Regional dental research center - Thrombin and prothrombin
** R01DE-05501-04 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
** R03DE-07303-01 Consequences of bacteremia in atherosclerotic animals (rabbits, dogs)

CARDIOVASCULAR FUNCTION, BLOOD CIRCULATION DYNAMICS (GENERAL)
R01DE-05605-05 The humoral regulation of pulp circulation (rats, dogs)
R03DE-06677-02 Vascular casting of the dental pulp (cats)

CARDIOVASCULAR FUNCTION, BLOOD FLOW
SEE ALSO BLOOD STASIS
R01DE-05605-05 The humoral regulation of pulp circulation (rats, dogs)

CARDIOVASCULAR FUNCTION, VASOMOTION, VASODILATION
R23DE-07389-01 VIP receptors and submandibular gland function (rats)

CARDIOVASCULAR SURGERY, REVASCULARIZATION SURGICAL
R01DE-05396-05 Craniofacial adaptations after total maxillary osteotomy (monkeys)

CARDIOVASCULAR SYSTEM, BLOOD SUPPLY
SEE ALSO CARDIOVASCULAR SYSTEM, CAPILLARY BEDS
** P01DE-06946-02 0009 Pathophysiology of MPD and other facial pain syndromes - Surgical denervation and the structures of the TMJ
** P01DE-07687-04 0004 Regeneration and transplantation of skeletal muscle - Revascularization of skeletal muscle autografts (hamster, cat, dog, rats)

CARDIOVASCULAR SYSTEM, BLOOD VESSELS, VASCULAR SMOOTH MUSCLE
R23DE-07681-01 Cell growth and bone resorption in periodontal disease (rats, cattle)

CARDIOVASCULAR SYSTEM, CAPILLARY BEDS
** R03DE-06677-02 Vascular casting of the dental pulp (cats)
** R03DE-06940-01 Comparisons of microvessels and osteoblasts in vitro

CARDIOVASCULAR SYSTEM, ENDOTHELIUM
R03DE-06940-01 Comparisons of microvessels and osteoblasts in vitro
R03DE-07278-01 Laminin and immune intervention in periodontal disease
R23DE-07681-01 Cell growth and bone resorption in periodontal disease (rats, cattle)

CARDIOVASCULAR SYSTEM, ENDOTHELIUM PERMEABILITY
SEE ALSO KIDNEY FUNCTION, RENAL TUBULAR TRANSPORT
SEE ALSO PREGNANCY CIRCULATION, PLACENTAL TRANSFER
R01DE-05605-05 The humoral regulation of pulp circulation (rats, dogs)

CARDIOVASCULAR SYSTEM, MICROCIRCULATION
R01DE-05605-05 The humoral regulation of pulp circulation (rats, dogs)

CARIES
SEE DENTAL CARIES

CAROTENE
SEE TERPENES, CAROTENE

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number

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CAROTENE OXIDASE
SEE OXYGENASES, LIPOXYGENASE

CARRIER PROTEINS
SEE BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS (SEE ALSO SPECIFICS)

CARTILAGE
SEE SKELETAL SYSTEM, CARTILAGE

CARTILAGE CELLS
SEE SKELETAL SYSTEM, CARTILAGE CELLS

CARTILAGE CIRCULATION
SEE SKELETAL SYSTEM CIRCULATION

CARTILAGE DEVELOPMENT
SEE SKELETAL SYSTEM, CARTILAGE DEVELOPMENT

CARTILAGE DISORDERS
SEE SKELETAL DISORDERS, CARTILAGE DISORDERS

CARTILAGE METABOLISM
SEE SKELETAL SYSTEM, CARTILAGE METABOLISM

CARTILAGE TRANSPLANTATION
SEE SKELETAL TISSUE TRANSPLANTATION, CARTILAGE

CASE FINDING
SEE HEALTH CARE SERVICES, CASE FINDING AND OUTREACH

CASE HISTORY
SEE HEALTH RECORDS, CASE HISTORY

CASTING, DENTAL
SEE DENTAL MATERIALS, CASTING

CATECHOLAMINES
SEE PHENYLALKYLAMINES, CATECHOLAMINES

CATHEPSINS
SEE PROTEASES AND PEPTIDASES, CATHEPSINS

CATION
SEE IONS, CATION

C3B RECEPTOR
SEE IMMUNOLOGY, COMPLEMENT RECEPTORS

C3D RECEPTOR
SEE IMMUNOLOGY, COMPLEMENT RECEPTORS

CD
SEE METALS, HEAVY METALS, CADMIUM (COMPOUNDS)

CDNA CLONING
SEE GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING

CELL ADHESION
SEE ALSO CELL-CELL INTERACTION, CELL AGGREGATION
SEE ALSO GLYCOPROTEINS, FIBRONECTIN
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, AGGLUTINATION REACTION (AGGLUTININ)*
** R01DE-04321-11 Cell adherence of dental plaque forming streptococci (rabbits)
** R01DE-05606-05 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
R01DE-05630-05 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
R01DE-06395-03 Molecular basis of the ecology of oral streptococci
** R01DE-06744-02 Adherence of oral bacteria to cell surface components (humans, rabbits)
** R01DE-06748-02 Synthesis and function of polymers in oral bacteria (rats)
R01DE-06801-03 Mutants to study S mutans pathogenicity (mammals)
R01DE-07168-02 Membrane function during germination of Candida albicans (mice)
** R01DE-07199-01 Adherence factors of oral streptococci (human)
** R01DE-07218-01 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)
** R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R43DE-07266-01 Mytilus edulis polyphenolic protein--Adhesive system development
R03DE-07278-01 Laminin and immune intervention in periodontal disease
R03DE-07424-01 Bacterial invasion of a basement membrane - like matrix in vitro
R23DE-07681-01 Cell growth and bone resorption in periodontal disease (rats, cattle)

CELL ADHESION, CEMENTING SUBSTANCE INTERCELLULAR
SEE ALSO POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HYALURONIC ACID
** R23DE-06945-03 Identification of microbial lectins (rabbits)

CELL AGGREGATION
SEE CELL-CELL INTERACTION, CELL AGGREGATION

CELL BIOLOGY (GENERAL) SEE ALSO CELL...,CYTO..*
R01DE-03738-13 Humoral and cellular mediators of inflammation (human, mammals)

CELL BIOLOGY STUDY SECTION
** R01DE-03246-16 Biochemical mechanisms relevant to dentistry
** R01DE-04316-09 Environmental control of neural crest development (mouse, chick embryos)
** R01DE-05616-07 Matrix-cell interaction in craniofacial development (chick and quail embryos)
** R01DE-05630-05 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
** R01DE-05838-06 Morphogenetic role of glycosaminoglycans (chick embryo)
** R01DE-06635-03 Tissue interactions and salivary cytodifferentiation (rats, rabbits)
** R23DE-07268-02 Polymorphonuclear leukocyte function in wound healing (rabbits)

CELL-CELL INTERACTION
SEE ALSO REPRODUCTION MICROORGANISMS, CONJUGATION MICROORGANISMS
P50DE-02668-19 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
P01DE-02848-15 0007 Biology of connective tissue, bones, and teeth - Extracellular matrix and epithelial gene expression (animals)
** R01DE-04316-09 Environmental control of neural crest development (mouse, chick embryos)
** R01DE-04859-06 Tissue interactions in the cranio-facial region (mice, chick, embryos)
R01DE-05501-04 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
** R01DE-05616-07 Matrix-cell interaction in craniofacial development (chick and quail embryos)
** R01DE-05630-05 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
** R01DE-05838-06 Morphogenetic role of glycosaminoglycans (chick embryo)
R01DE-06165-03 Cell biology of periodontal ligament fibroblast
** R01DE-06635-03 Tissue interactions and salivary cytodifferentiation (rats, rabbits)
R23DE-07225-01 Influence of mast cells on bone remodelling (mice)

CELL-CELL INTERACTION, CELL AGGREGATION
SEE ALSO CELL ADHESION
P50DE-02623-18 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
R01DE-06395-03 Molecular basis of the ecology of oral streptococci
R01DE-07199-01 Adherence factors of oral streptococci (human)

CELL-CELL INTERACTION, INTERCELLULAR CONNECTIONS-JUNCTIONS
SEE ALSO NERVOUS SYSTEM, NERVE ENDINGS, SYNAPSES
SEE ALSO NEUROMOTOR SYSTEM, NEUROMUSCULAR JUNCTION
P50DE-02600-19 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
R01DE-06076-03 Pathobiology of oral mucosa (rabbits)

CELL CHEMOTAXIS
SEE ENVIRONMENT, ORIENTATION, CHEMOTAXIS

CELL COMMUNICATIONS
SEE CELL-CELL INTERACTION

CELL COMPONENTS
SEE ALSO BACTERIAL CAPSULE
SEE ALSO CELL FLUIDS
SEE ALSO GENETICS, CHROMOSOMES
SEE ALSO GENETICS, GENES
SEE ALSO MUSCLE CELLS, SARCOMERES
SEE ALSO MUSCLES, MYOFIBRILS
SEE ALSO NERVOUS SYSTEM, NEURONS, AXONS
SEE ALSO NERVOUS SYSTEM, NEURONS, DENDRITES
R01DE-05793-04 Processing of procollagen to collagen (rabbit, chick embryo)

CELL COMPONENTS, CELL MEMBRANE
SEE ALSO BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT
SEE ALSO CELL COMPONENTS, ENDOPLASMIC RETICULUM
SEE ALSO CELL COMPONENTS, INTRACELLULAR MEMBRANES
SEE ALSO LIPIDS, MEMBRANE LIPIDS
SEE ALSO MEMBRANE, MEMBRANE FUSION
SEE ALSO MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)
SEE ALSO PROTEINS, MEMBRANE PROTEINS
R01DE-03995-11 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
P50DE-05139-08 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05251-06 Salivary gland secretory mechanisms (rats)
R01DE-05586-05 Cell surface studies of the enamel organ (mice)
R01DE-05630-05 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
R01DE-05640-05 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05696-05 Streptococcus mutans interaction with animal tissue (human, rabbits)
R01DE-05937-05 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-05978-03 Lipid nutrition, membrane fluidity and enzymes (rats)
** R01DE-06051-04 Membranes of the dental pathogen Streptococcus mutans (rabbits)
R01DE-06115-02 Protein phosphorylation in parotid gland secretion (rabbits)
R01DE-06533-03 Vesicles and endochondral bone formation (chickens)
R01DE-06644-03 Physiology of oral bacteria--Sugar, PH and F relations
R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
** R01DE-06991-02 Plasma membranes and secretory granules in secretion (rats, rabbits)
R03DE-07142-01 Leukocyte IgA Fc receptors (human)
R01DE-07267-02 Periodontopathic bacteria--Chemical-biologic nature (animals)
R01DE-07594-01 Enamel proteins

CELL COMPONENTS, CELL MEMBRANE, BASOLATERAL AREA
R01DE-06373-03 Saliva formation studied by microprobe analysis (rats)

CELL COMPONENTS, CELL STROMA
R01DE-05616-07 Matrix-cell interaction in craniofacial development (chick and quail embryos)

CELL COMPONENTS, CELL WALL
R01DE-03487-14 Inhibition of human cariogenic streptococci
R01DE-05501-04 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
R01DE-05696-05 Streptococcus mutans interaction with animal tissue (human, rabbits)
R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
** R23DE-07077-01 Cell surface regulation in a cariogenic streptococci
N01DE-42551-01 Develop antigens and adjuvants for carries immunity

CELL COMPONENTS, CILIARY AND FLAGELLAR MOVEMENT
R01DE-04645-08 A genetic-biochemical analysis of spirochete motility (mice)

CELL COMPONENTS, CYTOPLASM
R01DE-05249-06 Salivary secretion - role of calcium (mice)
R01DE-05640-05 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-06165-03 Cell biology of periodontal ligament fibroblast
R01DE-06886-02 Bioactive factors from demineralized adult bone (chick embryo)
R23DE-07225-01 Influence of mast cells on bone remodelling (mice)
R01DE-07341-01 Second messenger function in exocrine glands (rats)

CELL COMPONENTS, CYTOPLASMIC GRANULES
SEE ALSO CELL COMPONENTS, MICROSOMES
** R03DE-07311-01 Isolation of antibacterial peptides from human PMNs (rabbits)

CELL COMPONENTS, CYTOSKELETON
SEE ALSO CELL COMPONENTS, MICROFILAMENTS
SEE ALSO CELL COMPONENTS, MICROTUBULES (GENERAL)
R01DE-04345-10 Cell biology of osteoclasts (chickens)
R01DE-06556-03 Oral epithelium structural proteins (rabbits)
R23DE-07268-02 Polymorphonuclear leukocyte function in wound healing (rabbits)
** R03DE-07433-01 Periodontosis--A defect in PMN actin polymerization (human)

CELL COMPONENTS, ENDOPLASMIC RETICULUM
SEE ALSO LIPIDS, MEMBRANE LIPIDS
SEE ALSO MEMBRANE, MEMBRANE FUSION
SEE ALSO MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)
SEE ALSO PROTEINS, MEMBRANE PROTEINS
P50DE-02670-19 0024 Institute of dental research - Biosynthesis of heparin and heparin sulfate

CELL COMPONENTS, EXTRACELLULAR MATRIX
** R01DE-01374-25 Matrix component interactions in bone and dentin (rabbits, rats, mice)
** P50DE-02668-19 0125 Regional dental research center - Significance of collagen crosslinks in tissue
** P01DE-02848-15 0007 Biology of connective tissue, bones, and teeth - Extracellular matrix and epithelial gene expression (animals)
R01DE-04316-09 Environmental control of neural crest development (mouse, chick embryos)
** R01DE-05289-07 Uptake and binding by early enamel matrix (rats)
** R01DE-05616-07 Matrix-cell interaction in craniofacial development (chick and quail embryos)
** R01DE-05630-05 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
** R23DE-06243-03 The extracellular matrix in neural crest formation (mice, chick, rat)
R01DE-06425-02 Nutritional studies of tooth development in vitro (mice, rats)
P01DE-06946-02 0015 Pathophysiology of MPD and other facial pain syndromes - Healing of surgical defects in retrodiscal tissue (rabbits)

(contd)

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**Oriented significantly to above subject

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See Appendix for investigator's name and Grant Number.

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** R01DE-06952-02 Enamel secretory matrix protease (catte, rats)
** R01DE-06954-01 Structural studies of matrix proteins in teeth and bone
** R01DE-06977-02 Oral mucosa in vitro (mice, rats, guinea pigs)
R01DE-07347-01 Magnetic resonance characteristics of TMJ tissues (humans)
R03DE-07404-01 Collagen matrices for oral epithelium in vitro (human, rats)
** R03DE-07424-01 Bacterial invasion of a basement membrane - like matrix in vitro
** R03DE-07436-01 Intracellular degradation of extracellular collagen (human)

CELL COMPONENTS, GOLGI APPARATUS
SEE ALSO LIPIDS, MEMBRANE LIPIDS
SEE ALSO MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)
SEE ALSO PROTEINS, MEMBRANE PROTEINS
R23DE-06243-03 The extracellular matrix in neural crest formation (mice, chick, rat)
R01DE-07594-01 Enamel proteins

CELL COMPONENTS, INTRACELLULAR MEMBRANES
SEE ALSO LIPIDS, MEMBRANE LIPIDS
SEE ALSO MEMBRANE, MEMBRANE FUSION
SEE ALSO MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)
SEE ALSO PROTEINS, MEMBRANE PROTEINS
R01DE-06165-03 Cell biology of periodontal ligament fibroblast
R03DE-07282-01 Basal ganglia-trigeminal interactions (cats)

CELL COMPONENTS, LYSOSOMES
P50DE-02623-18 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
R01DE-03733-13 Humoral and cellular mediators of inflammation (human, mammals)
R01DE-03995-11 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
R01DE-04622-09 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-05626-05 Role of complement in periodontal disease
R01DE-05640-05 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05793-04 Processing of procollagen to collagen (rabbit, chick embryo)
R03DE-07436-01 Intracellular degradation of extracellular collagen (human)

CELL COMPONENTS, MICROFILAMENTS
R01DE-02774-17 Tissue interaction in palatal shelf closure (mice)
R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)

CELL COMPONENTS, MICROSOMES
SEE ALSO CELL COMPONENTS, CYTOPLASMIC GRANULES
SEE ALSO CELL COMPONENTS, ENDOPLASMIC RETICULUM
SEE ALSO CELL COMPONENTS, RIBOSOMES
R01DE-06115-02 Protein phosphorylation in parotid gland secretion (rabbits)

CELL COMPONENTS, MICROTUBULES (GENERAL)
** R01DE-03246-16 Biochemical mechanisms relevant to dentistry
P50DE-05139-08 0003 Clinical research center for periodontal disease - Human genetics section
R01DE-05323-04 Calcium ion interactions in developing dental tissues (rats)

CELL COMPONENTS, MITOCHONDRIA
** P50DE-02623-18 0030 Center for oral health research - Cellular control of mineralization
R01DE-06373-03 Saliva formation studied by microprobe analysis (rats)
R01DE-07168-02 Membrane function during germination of Candida albicans (mice)

CELL COMPONENTS, ORGANELLES (GENERAL)
R01DE-05210-06 Acid phosphatases in developing bones and teeth (rabbits, rats)

CELL COMPONENTS, PILI
R03DE-07313-01 Ligand receptor interactions of actinomyces viscosus (human, rabbit)

CELL COMPONENTS, PROTOPLASTIC MEMBRANE
SEE ALSO LIPIDS, MEMBRANE LIPIDS
SEE ALSO MEMBRANE, MEMBRANE FUSION
SEE ALSO MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)
SEE ALSO PROTEINS, MEMBRANE PROTEINS
R01DE-06051-04 Membranes of the dental pathogen Streptococcus mutans (rabbits)

CELL COMPONENTS, RIBOSOMES
R01DE-06000-05 Effect of parotid function on saliva and cells (rats)
** R03DE-07146-01 Biochemistry of Streptococcus mutans ribosomes (rabbits)
R23DE-07318-01 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
R23DE-07391-01 Insulin and protein synthesis in the rat gland

CELL CONTROL MECHANISMS (CELL GROWTH-PROLIFERATION)
SEE CELL GROWTH REGULATION

CELL CULTURE
SEE TISSUE (CELL) CULTURE*

CELL CULTURE COLLECTIONS
SEE TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES

CELL CYCLE, TURNOVER (POPULATION STUDIES)
SEE POPULATION STUDIES CELL

CELL CYCLE, TURNOVER (REGULATION OF)
SEE CELL GROWTH REGULATION

CELL DEATH
SEE ALSO CELL DESTRUCTION, CYTOLYSIS
SEE ALSO DISEASES, PATHOLOGIC PROCESSES, NECROSIS
SEE ALSO TOXICOLOGY, CYTOTOXICITY
** P50DE-02600-19 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
R01DE-04622-09 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-04859-06 Tissue interactions in the cranio-facial region (mice, chick embryos)
** R01DE-05550-05 Differentiation during craniofacial embryogenesis (mice)
R23DE-07107-02 Cyclic nucleotides and prostaglandins in cleft palate (mice)
** R03DE-07145-01 Oxygen free radicals in palatal development (mice)

CELL DESTRUCTION, CYTOLYSIS
R03DE-07278-01 Laminin and immune intervention in periodontal disease

CELL DIFFERENTIATION
SEE ALSO GROWTH AND DEVELOPMENT, HISTOGENESIS
P50DE-02600-19 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
** P50DE-02623-18 0035 Center for oral health research - Cellular aspects of the murine IgA response
P50DE-02668-19 0213 Regional dental research center - Action of androgen on submaxillary gland function
P50DE-02670-19 0018 Institute of dental research - Immune response to Streptococcus mutans
** P01DE-02848-15 0007 Biology of connective tissue, bones, and teeth - Extracellular matrix and epithelial gene expression (animals)
** P01DE-02848-15 0009 Biology of connective tissue, bones, and teeth - Epithelial-mesenchymal interactions and palate morphogenesis
P01DE-02848-15 0010 Biology of connective tissue, bones, and teeth - Enamel gene expression during vertebrate tooth development (animals)
R01DE-04316-09 Environmental control of neural crest development (mouse, chick embryos)
R01DE-04511-10 Stability of differentiation--Craniofacial study (mice, human, hamsters)
** R01DE-04859-06 Tissue interactions in the cranio-facial region (mice, chick embryos)
R01DE-04897-05 Functional development of salivary glands (rats)
** R01DE-04960-07 Mechanisms of salivary gland development (mice, rabbits, rats)
R01DE-04970-07 Nuclear composition and organization for odontogenesis (rats)
R01DE-05395-06 Stem cells in oral mucosa (mice)
R01DE-05550-05 Differentiation during craniofacial embryogenesis (mice)
R01DE-05616-07 Matrix-cell interaction in craniofacial development (chick and quail embryos)
R01DE-05630-05 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
R01DE-05838-06 Morphogenetic role of glycosaminoglycans (chick embryo)
R01DE-06028-02 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
** R01DE-06397-03 Biochemical aspects of orofacial development
R01DE-06553-03 Arachidonate metabolism and orofacial development (mice)
R01DE-06556-03 Oral epithelium structural proteins (rabbits)
** R01DE-06635-03 Tissue interactions and salivary cytodifferentiation (rats, rabbits)
R23DE-06766-02 Surgical regeneration of the periodontium (dogs)
** R01DE-06852-02 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
R01DE-06886-02 Bioactive factors from demineralized adult bone (chick embryo)
R01DE-06949-01 In vitro bone resorption by products of oral bacteria (animals)
R01DE-06988-01 Determination and expression of amelogenin gene products (mice)
R23DE-07075-01 Tissue interactions in root development (mice)
R23DE-07107-02 Cyclic nucleotides and prostaglandins in cleft palate (mice)
R01DE-07120-02 Cell-substrate interaction in craniofacial morphogenesis
R03DE-07165-01 Calcitonin receptor (mice)
** R03DE-07404-01 Collagen matrices for oral epithelium in vitro (human, rats)

CELL DIVISION
SEE ALSO GENETICS, CHROMOSOMES, CHROMOSOME REPLICATION
SEE ALSO NUCLEIC ACIDS SYNTHESIS, DNA
R01DE-02342-14 Normal and altered oral mucosa (rats)
** R01DE-05395-06 Stem cells in oral mucosa (mice)
R01DE-06977-02 Oral mucosa in vitro (mice, rats, guinea pigs)
R01DE-07120-02 Cell-substrate interaction in craniofacial morphogenesis

CELL DIVISION, MITOSIS
SEE ALSO MITOGENS
R01DE-06000-05 Effect of parotid function on saliva and cells (rats)
R01DE-06955-02 Epidermal growth factor and tooth development (mice)
R23DE-07006-01 Synthesis of a craniofacial wound healing factor (human)
R03DE-07149-01 Ethanol teratogenicity at early somite stages in mice
R03DE-07556-01 Investigation of PDGF receptors on U20s osteosarcoma cells (tissue culture)
R23DE-07559-01 Synthesis of a craniofacial wound healing factor (human)
R01DE-07594-01 Enamel proteins

CELL DIVISION, SYNCHRONOUS CELL DIVISION
P50DE-02623-18 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus

CELL FLUIDS
SEE ALSO BODY FLUIDS (AND RELATED SUBSTANCES)
R03DE-07282-01 Basal ganglia-trigeminal interactions (cats)
R23DE-07388-01 Glucan-mediated intraoral demineralization by S mutans (human)

CELL-FREE SYSTEMS
R01DE-05144-06 Periodontal disease--Role of spirochetes (rabbits)
R23DE-07710-01 New targets for anti-herpes simplex virus chemotherapy (rabbits)

CELL GROWTH REGULATION
R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
P50DE-02668-19 0213 Regional dental research center - Action of androgen on submaxillary gland function
R01DE-03301-15 Connective tissues of the periodontium (human, dog)
R01DE-04316-09 Environmental control of neural crest development (mouse, chick embryos)
** R01DE-05838-06 Morphogenetic role of glycosaminoglycans (chick embryo)
R23DE-06091-03 Primary human cells--A model for materials testing (tissue culture)
R01DE-06645-03 Genetic regulation of B cell replication and function (mice)
** R01DE-06970-02 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
** R01DE-06977-02 Oral mucosa in vitro (mice, rats, guinea pigs)
** R23DE-07681-01 Cell growth and bone resorption in periodontal disease (rats, cattle)

CELL HYBRIDS, HYBRIDOMAS
SEE ALSO IMMUNOLOGICAL PREPARATIONS, MONOCLONAL ANTIBODIES
** P50DE-02670-19 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology
R01DE-06231-03 Monoclonal antibody analysis of plaque microorganisms (mice)

CELL INGESTION, PHAGOCYTOSIS
SEE ALSO CELLS, PHAGOCYTES
R01DE-03738-13 Humoral and cellular mediators of inflammation (human, mammals)
R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
R01DE-03995-11 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
P50DE-05139-08 0003 Clinical research center for periodontal disease - Human genetics section
R01DE-05494-06 Activation of macrophages in periodontal disease (mice)
R01DE-05990-02 Periodontitis, leukocyte function and diabetic status (human)
R01DE-06065-05 The role of lymphoid cells in alveolar bone resorption (rats)
R01DE-06165-03 Cell biology of periodontal ligament fibroblast

(contd)

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R01DE-06436-04 Periodontosis--Characterization of the neutrophil defect (human)
R01DE-06551-02 Stress, host factors, and acute necrotizing gingivitis (human)
R01DE-06989-01 Neutrophil function in periodontal disease (human)
P50DE-07118-01 0004 Periodontal diseases research center - PMN functional studies (children)
R23DE-07268-02 Polymorphonuclear leukocyte function in wound healing (rabbits)
R03DE-07433-01 Periodontosis--A defect in PMN actin polymerization (human)
** R03DE-07436-01 Intracellular degradation of extracellular collagen (human)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

CELL INGESTION, PINOCYTOSIS
SEE ALSO CELL INGESTION, PHAGOCYTOSIS
R01DE-05251-06 Salivary gland secretory mechanisms (rats)
R01DE-05586-05 Cell surface studies of the enamel organ (mice)
R01DE-05764-06 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06076-03 Pathobiology of oral mucosa (rabbits)
** R01DE-06991-02 Plasma membranes and secretory granules in secretion (rats, rabbits)
R23DE-07006-01 Synthesis of a craniofacial wound healing factor (human)
R03DE-07556-01 Investigation of PDGF receptors on U20s osteosarcoma cells (tissue culture)
R23DE-07559-01 Synthesis of a craniofacial wound healing factor (human)

CELL INTERACTION
SEE CELL-CELL INTERACTION

CELL LINES, BANKS AND REGISTRIES
SEE TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES

CELL MEDIATED IMMUNE RESPONSE
SEE IMMUNITY, CELLULAR, CELL-MEDIATED IMMUNE RESPONSES

CELL MEMBRANE
SEE CELL COMPONENTS, CELL MEMBRANE

CELL MIGRATION
SEE ALSO CELL-CELL INTERACTION, CELL AGGREGATION
SEE ALSO IMMUNITY, CYTOKINES, LYMPHOKINES, MIGRATION INHIBITORY FACTOR
** R01DE-04316-09 Environmental control of neural crest development (mouse, chick embryos)
R01DE-05616-07 Matrix-cell interaction in craniofacial development (chick and quail embryos)
** R01DE-05630-05 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
R23DE-06243-03 The extracellular matrix in neural crest formation (mice, chick, rat)
R01DE-06635-03 Tissue interactions and salivary cytodifferentiation (rats, rabbits)
** R01DE-06730-02 Dental implant surfaces impeding epithelial migration (rats)
R23DE-06766-02 Surgical regeneration of the periodontium (dogs)
R01DE-06977-02 Oral mucosa in vitro (mice, rats, guinea pigs)
R01DE-07120-02 Cell-substrate interaction in craniofacial morphogenesis
R03DE-07149-01 Ethanol teratogenicity at early somite stages in mice

CELL MOVEMENT
SEE ALSO CELL COMPONENTS, CILIARY AND FLAGELLAR MOVEMENT
SEE ALSO CELL MIGRATION
R01DE-03738-13 Humoral and cellular mediators of inflammation (human, mammals)
R01DE-04645-08 A genetic-biochemical analysis of spirochete motility (mice)
R23DE-06243-03 The extracellular matrix in neural crest formation (mice, chick, rat)
** R23DE-07268-02 Polymorphonuclear leukocyte function in wound healing (rabbits)

CELL ORGANELLES
SEE CELL COMPONENTS, ORGANELLES (GENERAL)

CELL POPULATION STUDIES
SEE POPULATION STUDIES CELL

CELL SECRETION, EXOCYTOSIS
** R01DE-06076-03 Pathobiology of oral mucosa (rabbits)
** R01DE-06991-02 Plasma membranes and secretory granules in secretion (rats, rabbits)

CELL STROMA
SEE CELL COMPONENTS, CELL STROMA

CELL SURFACE ACTIVITY (GENERAL)
SEE MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)

CELL SURFACE RECEPTORS
SEE RECEPTORS OF NON-SENSORY STIMULI (GENERAL)

CELL TYPES
SEE ALSO CELL DIFFERENTIATION
R01DE-04327-10 Mechanical and electrical effects on osteogenesis (rats)
R01DE-05144-06 Periodontal disease--Role of spirochetes (rabbits)
R01DE-05630-05 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
** R23DE-06091-03 Primary human cells--A model for materials testing (tissue culture)
R01DE-06635-03 Tissue interactions and salivary cytodifferentiation (rats, rabbits)

CELL WALL
SEE CELL COMPONENTS, CELL WALL

CELLS, PHAGOCYTES
SEE ALSO BLOOD AND RE SYSTEM, MACROPHAGES
SEE ALSO BLOOD CELLS, LEUKOCYTES
SEE ALSO CELL INGESTION, PHAGOCYTOSIS
P50DE-02600-19 0030 Support for oral biology research center - Leukocyte function--Its role in periodontal disease (human)
R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)
R01DE-06860-02 Complement monocyte interactions in periodontal disease

CELLS, SINGLE CELL ANALYSIS
R01DE-04166-16 Oral pharyngeal reflexes (cats, human)
R01DE-04786-08 Dental and orofacial pain--Brain stem mechanisms (cats)
R01DE-06665-03 Trigeminal motor fatigue-endurance and tremor studies (human)

CELLULAR BASIS FOR NEOPLASMS
SEE NEOPLASMS CHARACTERISTICS, CELLULAR LEVEL STUDIES (GENERAL)

CELLULAR BIOLOGY AND PHYSIOLOGY STUDY SECTION
** R23DE-07006-01 Synthesis of a craniofacial wound healing factor (human)
** R23DE-07559-01 Synthesis of a craniofacial wound healing factor (human)

CELLULAR IMMUNITY
SEE IMMUNITY, CELLULAR IMMUNITY (GENERAL)

CELLULAR LEVEL STUDIES OF NEOPLASMS
SEE NEOPLASMS CHARACTERISTICS, CELLULAR LEVEL STUDIES (GENERAL)

CELLULAR PHYSIOLOGY REVIEW GROUP
** R01DE-04327-10 Mechanical and electrical effects on osteogenesis (rats)
** R01DE-05764-06 Cellular pharmacology of salivary secretion (rats, ducks)

CEMENTING SUBSTANCE INTERCELLULAR
SEE CELL ADHESION, CEMENTING SUBSTANCE INTERCELLULAR

CEMENTUM
SEE DENTAL STRUCTURE, CEMENTUM

CENTENARIANS
SEE AGE (HUMAN), ADULT, CENTENARIANS (100 YRS PLUS)

CENTERS
SEE CLINICAL RESEARCH CENTERS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)
SEE STATISTICAL SERVICE AND CENTERS

CENTRAL NERVOUS SYSTEM
SEE NERVOUS SYSTEM CENTRAL

CEPHALOMETRY
SEE BODY PHYSICAL CHARACTERISTICS, CEPHALOMETRY

CEPHALOSPORIN C
SEE ANTIBIOTICS, BETA LACTAMS, CEPHALOSPORIN C

CEPHALOSPORIN N
SEE ANTIBIOTICS, BETA-LACTAMS, CEPHALOSPORIN N

CERAMICS
SEE SILICATES, CERAMICS

CEREBRAL CORTEX
SEE BRAIN, CEREBRAL CORTEX

CEREBRAL SCLEROSIS DISSEMINATED
SEE NERVOUS DISORDERS, MYELINOPATHIES, MULTIPLE SCLEROSIS

CERVIX NEOPLASMS
SEE NEOPLASMS OF REPRODUCTIVE SYSTEM FEMALE, UTERUS NEOPLASMS, CERVIX NEOPLASMS

CEVITAMIC ACID
SEE VITAMINS, VITAMIN C, ASCORBIC ACID

CHEDIAK-HIGASHI SYNDROME
SEE METABOLIC DISORDERS INBORN, CHEDIAK-HIGASHI SYNDROME

CHEILITIS
SEE ORAL-PHARYNGEAL DISORDERS (GENERAL)

CHELATES, METAL
SEE METAL COMPLEXES

CHELATING AGENTS
SEE METAL COMPLEXES, LIGANDS, CHELATING AGENTS

CHELATION
SEE METAL COMPLEXES, LIGANDS, CHELATING AGENTS

CHEMICAL ASSOCIATED CARCINOGENS
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, CHEMICAL

CHEMICAL BONDS, BINDING AND BINDING SITES
SEE ALSO PROTEIN BINDING
R01DE-01374-25 Matrix component interactions in bone and dentin (rabbits, rats, mice)
R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
R01DE-04008-11 Cellular and developmental control of calcification (chick embryo)
R01DE-05519-06 Oxidation behavior of Ni-base crown and bridge alloys
R01DE-05586-05 Cell surface studies of the enamel organ (mice)
R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
R03DE-07152-01 Skeletal muscle basal laminae--Biochemical analyses (rats)

CHEMICAL BONDS, BOND CLEAVAGE
R01DE-06952-02 Enamel secretory matrix protease (cattle, rats)

CHEMICAL BONDS, BOND FORMATION
R01DE-06374-04 Semi- and nonprecious metal-porcelain systems

CHEMICAL BONDS, CROSSLINKS
R01DE-01374-25 Matrix component interactions in bone and dentin (rabbits, rats, mice)
** P50DE-02668-19 0125 Regional dental research center - Significance of collagen crosslinks in tissue
P50DE-02668-19 0149 Regional dental research center - Strengths of polymers in tooth restorative materials
** P50DE-02668-19 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)
P50DE-02670-19 0003 Institute of dental research - Macromolecules of mineralized tissues
P50DE-02670-19 0029 Institute of dental research - Structure and interactions of proteoglycans
P50DE-02731-19 0031 Development support for dental research institute - Biochemistry laboratory (human)
R01DE-06201-01 Water sorption of glassy dental polymers
R03DE-06446-02 Bifunctional reagents as alternatives to formocresol (rats, dogs, rabbits)
R23DE-06896-02 Nonenzymatic reactions in human dentin proteins
R03DE-07165-01 Calcitonin receptor (mice)
R43DE-07261-01 Dimethylsuberimidate as a pulpotomy agent (rats)
R43DE-07266-01 Mytilus edulis polyphenolic protein--Adhesive system development

CHEMICAL BONDS, DISULFIDE BONDS
P50DE-02668-19 0190 Regional dental research center - Thrombin and prothrombin
R03DE-07556-01 Investigation of PDGF receptors on U20s osteosarcoma cells (tissue culture)

CHEMICAL BONDS, HYDROPHOBIC
** R01DE-07199-01 Adherence factors of oral streptococci (human)

CHEMICAL BONDS, IONIC
R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
R01DE-03223-15 Kinetics of mineralization of teeth (human)

CHEMICAL CARCINOGENS
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENS, CHEMICAL

CHEMICAL CONTAMINANTS-POLLUTANTS, ENVIRONMENTAL (GENERAL)
SEE ENVIRONMENTAL HEALTH, CONTAMINATION (GENERAL)

CHEMICAL DESIGN
SEE CHEMICAL SYNTHESIS, DESIGN AND PRODUCTION (GENERAL)

CHEMICAL MODELS
SEE MODELS, CHEMICAL

CHEMICAL REACTION SITES
SEE ALSO CHEMICAL BONDS, BINDING AND BINDING SITES
SEE ALSO DRUGS RECEPTORS
R01DE-03578-14 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-05793-04 Processing of procollagen to collagen (rabbit, chick embryo)

CHEMICAL REACTION SITES, FUNCTIONAL GROUPS
R01DE-01374-25 Matrix component interactions in bone and dentin (rabbits, rats, mice)

CHEMICAL REACTIONS (DYNAMICS)
SEE ALSO ALKYL (GROUPS), METHYLATION-DEMETHYLATION
SEE ALSO CHEMICAL SYNTHESIS, DESIGN AND PRODUCTION (GENERAL)
SEE ALSO ENZYME MECHANISMS
SEE ALSO OXIDATION-REDUCTION

(contd).

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

N Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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SEE ALSO PEROXIDATION
SEE ALSO PHOSPHORYLATION
SEE ALSO SULFATION
** R01DE-03223-15 Kinetics of mineralization of teeth (human)
R01DE-03246-16 Biochemical mechanisms relevant to dentistry
R01DE-03731-10 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-04385-10 Mechanism of dental caries
** R01DE-04486-08 Kinetics and mechanisms of action of fluorides (human)
R01DE-04705-06 Reactions of titanium fluoride with hydroxpatite
R01DE-06539-03 Breakdown of amalgam margins--A microstructural study
R01DE-06552-04 Hydroxyapatite remineralization--The role of fluoride
R01DE-06569-04* Quantitation of enamel demineralization mechanisms
R01DE-06996-01 Biological molecules in the corrosion of dental alloys

CHEMICAL REACTIONS, DISSOCIATION-ASSOCIATION
R01DE-07223-01 Magnesium and calcium phosphate formation and stability (humans, fish)

CHEMICAL REACTIONS, GLYCOSYLATION
R01DE-05672-03 Anionic salivary proteins in dental integuments (Macaca facicularis)
R01DE-06892-02 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
R01DE-06970-02 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R01DE-07120-02 Cell-substrate interaction in craniofacial morphogenesis

CHEMICAL REACTIONS, HYDRATION-DEHYDRATION
R01DE-06913-03 Modulating role of prostaglandins in salivary glands (rats)

CHEMICAL REACTIONS, SOLVOLYSIS, HYDROLYSIS
SEE ALSO HYDROLASES
R01DE-03739-13 Glycosyltransferases from oral bacteria
R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)
R01DE-05494-06 Activation of macrophages in periodontal disease (mice)
R01DE-06076-03 Pathobiology of oral mucosa (rabbits)

CHEMICAL REACTIONS, SUBSTITUTION
R01DE-01912-22 Tooth enamel apatite at the atomic level (human)

CHEMICAL REACTIONS, SUBSTITUTION, NUCLEOPHILIC
R01DE-03578-14 Biosynthetic study of dental plaque polysaccharides (bacteria)

CHEMICAL STABILITY
SEE ALSO TEMPERATURE, HEAT STABILITY-LABILITY
** R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)
R43DE-07266-01 Mytilus edulis polyphenolic protein--Adhesive system development

CHEMICAL STRUCTURE
SEE ALSO CARBOHYDRATES STRUCTURE
SEE ALSO GLOBULINS GAMMA GLOBULINS, IMMUNOGLOBULIN STRUCTURE
SEE ALSO NUCLEIC ACIDS STRUCTURE
SEE ALSO PROTEINS-PEPTIDES STRUCTURE
R01DE-01912-22 Tooth enamel apatite at the atomic level (human)
P50DE-02600-19 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
P50DE-02630-19 0023 Support for oral biology research center - Regulation of antibody response (mice)
P50DE-02668-19 0149 Regional dental research center - Strengths of polymers in tooth restorative materials
** P50DE-02670-19 0001 Institute of dental research - X-ray crystallography program
R01DE-06201-01 Water sorption of glassy dental polymers
R23DE-06987-01 Study of surfactant use in restorative materials
R13DE-07172-01 Biocompatibility, toxicity, hypersensitivity in dentistry

CHEMICAL STRUCTURE, ISOMERS, RACEMIZATION
R23DE-06896-02 Nonenzymatic reactions in human dentin proteins

CHEMICAL STRUCTURE, STEREOCHEMISTRY
R01DE-06541-03 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)

CHEMICAL STRUCTURE, STEREOCHEMISTRY, CONFORMATIONS
R01DE-01374-25 Matrix component interactions in bone and dentin (rabbits, rats, mice)
R01DE-05476-05 Novel peptide derived sweeteners
R01DE-06039-03 Properties of lipoteichoic acids from cariogenic bacteria
R01DE-06954-01 Structural studies of matrix proteins in teeth and bone
R01DE-06970-02 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R01DE-07257-02 IgA protease and dental caries
R03DE-07418-01 Dentinogenesis imperfecta--Chromosome mapping

CHEMICAL STRUCTURE--BIOLOGICAL ACTIVITY
SEE ALSO ENZYME STRUCTURE
P50DE-02623-18 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
P50DE-02668-19 0168 Regional dental research center - Platelets and thrombin (human)
P50DE-02668-19 0190 Regional dental research center - Thrombin and prothrombin
P50DE-02670-19 0001 Institute of dental research - X-ray crystallography program
** P50DE-02670-19 0019 Institute of dental research - Chemistry/biology of the genetically-distinct collagens
** P50DE-02670-19 0029 Institute of dental research - Structure and interactions of proteoglycans
** P50DE-02670-19 0039 Institute of dental research - Structure and function of latent collagenase
P50DE-02731-19 0034 Development support for dental research institute - Microbial biochemistry laboratory
R01DE-04518-09 Streptococcus sanguis receptors for salivary glycoproteins
R01DE-05210-06 Acid phosphatases in developing bones and teeth (rabbits, rats)
R01DE-05476-05 Novel peptide derived sweeteners
R01DE-05501-04 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
R01DE-05640-05 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05672-03 Anionic salivary proteins in dental integuments (Macaca facicularis)
** R01DE-06039-03 Properties of lipoteichoic acids from cariogenic bacteria
** R23DE-06739-02 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
R01DE-06748-02 Synthesis and function of polymers in oral bacteria (rats)
R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
** R03DE-06937-02 Structure-activity of polycarboxylate absorption by hydroxyapatite
R01DE-06949-01 In vitro bone resorption by products of oral bacteria (animals)
R01DE-07257-02 IgA protease and dental caries
** R01DE-07378-01 Human osteoclast activating factor (mice, rats)

CHEMICAL STRUCTURE OF CARBOHYDRATES
SEE CARBOHYDRATES STRUCTURE

CHEMICAL SYNTHESIS, DESIGN AND PRODUCTION (GENERAL)
SEE ALSO DRUGS SYNTHESIS, DESIGN AND PRODUCTION
R01DE-03578-14 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)
R01DE-06179-03 Radiopaque restorative and prosthetic dental resins
** R03DE-06937-02 Structure-activity of polycarboxylate absorption by hydroxyapatite
** R01DE-07378-01 Human osteoclast-activating factor (mice, rats)

CHEMICALS (GENERAL), ELEMENTS, TRACE ELEMENTS
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY TRACE ELEMENTS AND MINERALS
P50DE-02668-19 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
P50DE-02670-19 0036 Institute of dental research - Dental caries preventive measures (rats)
R01DE-03223-15 Kinetics of mineralization of teeth (human)
** R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)
R01DE-06425-02 Nutritional studies of tooth development in vitro (mice, rats)

CHEMICALS (GENERAL), MINERALS (GENERAL)
SEE ALSO CALCIUM (MINERAL) BALANCE (METABOLISM)
SEE ALSO CALCIUM PHOSPHATES, APATITES
SEE ALSO SILICATES
** R01DE-06569-04 Quantitation of enamel demineralization mechanisms

CHEMICALS (GENERAL), ORGANIC COMPOUNDS (GENERAL)
** R01DE-06996-01 Biological molecules in the corrosion of dental alloys

CHEMICALS (GENERAL), SALTS (GENERAL)
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY SALTS
** P50DE-02670-19 0001 Institute of dental research - X-ray crystallography program

CHEMILUMINESCENCE
SEE OPTICS, LIGHT EMISSION, LUMINESCENCE*

CHEMISTRY, ANALYTICAL
SEE ALSO INDICATORS AND REAGENTS
R13DE-07080-01 Gordon research conference on calcium phosphates, 1985

CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, LASER*
** R03DE-06817-02 Maxillary expansion using laser specklegrammetry (human)

CHEMISTRY, CLINICAL, BLOOD
R03DE-07051-01 HPLC analysis of purine nucleosides in crevicular fluid

CHEMISTRY, CLINICAL, FECES ANALYSIS*
R01DE-06007-03 Periodontal tissue changes during pregnancy-lactation (rats)

CHEMISTRY, CLINICAL, URINE CHEMICAL ANALYSIS
R01DE-06007-03 Periodontal tissue changes during pregnancy-lactation (rats)
N01DE-32444-02 Pharmacology of intraoral fluoride-releasing device

CHEMISTRY, ELECTROCHEMISTRY
R01DE-03601-12 Effect of corrosion on dental amalgams
** R01DE-06994-02 Palladium containing dental amalgam
R01DE-06996-01 Biological molecules in the corrosion of dental alloys

CHEMISTRY, STOICHIOMETRY
R01DE-01912-22 Tooth enamel apatite at the atomic level (human)
R01DE-05030-07 Crystal chemistry of calcium phosphates (human, rats)

CHEMISTRY, THERMODYNAMICS (GENERAL)
R01DE-03187-14 Transport in enamel and solubility of enamel (human)
R01DE-05945-04 Physicochemical modifications of dental restoratives
R01DE-06374-04 Semi- and nonprecious metal-procelain systems
R01DE-06672-03 Optimization of metal-ceramic restoration design

CHEMORECEPTORS
SEE SENSE ORGANS, CHEMORECEPTORS

CHEMOTACTIC FACTORS (COMPLEMENT)
SEE IMMUNOLOGY, COMPLEMENT, CHEMOTACTIC FACTORS

CHEMOTACTIC FACTORS (LYMPHOKINES)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, CHEMOTACTIC FACTORS

CHEMOTAXIS
SEE ENVIRONMENT, ORIENTATION, CHEMOTAXIS

CHEMOTHERAPY
SEE DRUGS, CHEMOTHERAPY

CHEMOTHERAPY, CANCER
SEE NEOPLASTIC THERAPY, CANCER CHEMOTHERAPY

CHEMOTHERAPY, COMMUNICABLE DISEASES
SEE COMMUNICABLE DISEASES CHEMOTHERAPY

CHEMOTHERAPY, CONNECTIVE TISSUE DISORDERS
SEE CONNECTIVE TISSUE DISORDERS CHEMOTHERAPY

CHEMOTHERAPY, DENTAL DISORDERS
SEE DENTAL DISORDERS CHEMOTHERAPY

CHEMOTHERAPY, EMBRYO-FETUS
SEE PREGNANCY, EMBRYO-FETUS CHEMOTHERAPY

CHEMOTHERAPY, KIDNEY DISORDERS
SEE KIDNEY DISORDERS CHEMOTHERAPY

CHEMOTHERAPY, NUTRITIONAL DISORDERS
SEE NUTRITIONAL DISORDERS CHEMOTHERAPY

CHEMOTHERAPY, SKELETAL DISORDERS
SEE SKELETAL DISORDERS CHEMOTHERAPY

CHICKENPOX
SEE VIRUS DISEASES, HERPESVIRIDAE, CHICKENPOX

CHILD BEHAVIOR
SEE CHILD MENTAL DEVELOPMENT, CHILD BEHAVIOR

CHILD DEVELOPMENT (NON-PSYCHOLOGICAL)
SEE ALSO CHILD MENTAL DEVELOPMENT
SEE ALSO EMBRYOLOGY (HUMAN) AND DEVELOPMENT STUDY SECTION
R01DE-05410-06 Orthodontic treatment effects on craniofacial growth (human)
R03DE-07301-01 Congenital effects of low mercury and lead exposure (human)
** R01DE-07690-01 Growth and development of the human head

CHILD DEVELOPMENT, PUBERTY
P50DE-02731-19 0021 Development support for dental research institute - Bacteriology laboratory (human)
R03DE-07297-01 Mechanism of action of phenytoin (human, rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

CHILD HEALTH CARE (SERVICES)
SEE ALSO HEALTH CARE SERVICES, STUDENT HEALTH SERVICES
** R01DE-05305-05 Behavioral approaches to pain responses in pedodontics (children)
** R23DE-06562-02 Fluoridation effects on dental demand (human)
** R23DE-06865-02 Child desensitization for dental visits (human)

CHILD MENTAL DEVELOPMENT
P01DE-01697-23 0039 A research program in craniofacial problems - Otitis media and its consequences (human)

CHILD MENTAL DEVELOPMENT, CHILD BEHAVIOR
** R01DE-05305-05 Behavioral approaches to pain responses in pedodontics (children)
** R01DE-06154-03 Effects of orthodontia on psychosocial functioning (human)
** R01DE-06570-04 Psychosocial evaluation of craniofacial patients

CHILD-MOTHER INTERACTION
SEE FAMILY, PARENT-OFFSPRING, MOTHER-CHILD INTERACTION

CHILDREN
SEE ALSO FAMILY
M P01DE-01697-23 A research program in craniofacial problems
** P01DE-01697-23 0037 A research program in craniofacial problems - Effects of oronasal fistulae on speech (human)
** P01DE-01697-23 0041 A research program in craniofacial problems - Effect of palate repair on eustachian tube function (human)
P01DE-02847-17 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
P01DE-02847-17 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
R01DE-05054-07 Periodontal disease--Microbiological studies (human)
R01DE-05253-06 Measurements of enamel permeability as related to caries (human)
R01DE-05410-06 Orthodontic treatment effects on craniofacial growth (human)
P01DE-05837-05 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
** P01DE-05837-05 0005 Growth, surgical, and speech aspects of cleft palate - Psychoeducation project (human)
R01DE-06014-04 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
R01DE-06112-05 Filled sealant as a conservative restorative material (human)
R01DE-06424-01 Development of oral tissues after early undernutrition (human)
R01DE-06541-03 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)
P01DE-06946-02 0007 Pathophysiology of MPD and other facial pain syndromes - Incidence of TMJ clicking in preothodontic patients
** P50DE-07003-02 0008 Rochester caries research center - Identifying caries susceptible subjects
M P50DE-07118-01 Periodontal diseases research center
** P50DE-07118-01 0001 Periodontal diseases research center - Clinical studies (children)
** P50DE-07118-01 0002 Periodontal diseases research center - Clinical microbiological studies (children)
** P50DE-07118-01 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
** P50DE-07118-01 0004 Periodontal diseases research center - PMN functional studies (children)
** P50DE-07118-01 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
** P50DE-07118-01 9001 Periodontal diseases research center - Core--Data processing and statistics
R03DE-07143-01 Sounds of normal and impaired swallow (humans)
R03DE-07274-01 Detecting heterogeneity in juvenile periodontitis (human)
R01DE-07690-01 Growth and development of the human head
N01DE-12431-06 Clinical trail of a combined MFP-NaF dentifrice

CHILDREN, ADOLESCENCE (12 TO 21 YRS)
R01DE-06154-03 Effects of orthodontia on psychosocial functioning (human)
** R01DE-06231-03 Monoclonal antibody analysis of plaque microorganisms (mice)
R01DE-06418-03 Laboratory and clinical studies of dental fluorosis
P50DE-07003-02 0008 Rochester caries research center - Identifying caries susceptible subjects
R03DE-07433-01 Periodontosis--A defect in PMN actin polymerization (human)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)
** N01DE-22438-08 Relationship of dietary intake to caries incidence (human)
N01DE-32444-02 Pharmacology of intraoral fluoride-releasing device
N01DE-42553-04 Epidemiologic survey of oral health in adults
N01DE-52556-00 Effect of brushing with fluoride gel on gingivitis

CHILDREN, HANDICAPPED CHILDREN
P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
P01DE-05837-05 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)

CHILDREN, INFANT (BIRTH TO 1 YR)
P01DE-01697-23 0039 A research program in craniofacial problems - Otitis media and its consequences (human)
P01DE-01850-22 0071 Nutritional sources and metabolic roles of fluoride - Daily dietary fluoride intake of children and young adults
P01DE-05837-05 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
R03DE-07143-01 Sounds of normal and impaired swallow (humans)
** N01DE-42552-02 Prevent maternal transmission of streptococcus mutans (humans)

CHILDREN, INFANT NEWBORN (BIRTH TO 4-6 WKS)
SEE ALSO CONGENITAL ABNORMALITIES
SEE ALSO PREGNANCY, PERINATAL
P01DE-03610-19 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis

CHILDREN, INFANT PREMATURE AND LOW BIRTH WEIGHT
SEE ALSO PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)
P01DE-03610-19 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis

CHILDREN, MIDCHILDHOOD (6 TO 12 YRS)
** R01DE-06418-03 Laboratory and clinical studies of dental fluorosis
R23DE-06562-02 Fluoridation effects on dental demand (human)
P50DE-07003-02 0008 Rochester caries research center - Identifying caries susceptible subjects
** N01DE-22438-08 Relationship of dietary intake to caries incidence (human)
N01DE-32444-02 Pharmacology of intraoral fluoride-releasing device

CHILDREN, PRESCHOOL (1 TO 6 YRS)
P01DE-01697-23 0039 A research program in craniofacial problems - Otitis media and its consequences (human)
P01DE-01850-22 0071 Nutritional sources and metabolic roles of fluoride - Daily dietary fluoride intake of children and young adults

CHIMERAS
SEE TISSUE MOSAICISM

CHITIN
SEE PROTEOGLYCANS, CHITIN

CHL-A LOCUS (CHIMPANZEE)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

CHLORHEXIDINE
SEE GUANIDINES, BIGUANIDES, CHLORHEXIDINE

CHLORIDE PUMP
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, CHLORIDE PUMP

CHLORIDES
SEE HALOGENS, CHLORINE (COMPOUNDS) SEE ALSO SPECIFICS

CHLORINE (COMPOUNDS)
SEE HALOGENS, CHLORINE (COMPOUNDS) SEE ALSO SPECIFICS

7-CHLORO-7-DEOXYLINCOMYCIN HYDROCHLORIDE
SEE ANTIBIOTICS, LINCOMYCIN, CLINDAMYCIN

CHOLANATE SERIES, DEOXYCHOLATES
R01DE-05262-06 Mineralization in oral biology (mice, rats)

CHOLECALCIFEROL
SEE VITAMINS, VITAMIN D, CHOLECALCIFEROL

CHOLECYSTOKININ
SEE GASTROINTESTINAL HORMONES, PANCREOZYMIN-CHOLECYSTOKININ

CHOLEIC ACIDS
SEE CHOLANATE SERIES, DEOXYCHOLATES

CHOLESTANE SERIES, CHOLESTEROL
R01DE-05978-03 Lipid nutrition, membrane fluidity and enzymes (rats)

CHOLESTEROL
SEE CHOLESTANE SERIES, CHOLESTEROL

CHOLINE, ACETYLCHOLINE
SEE ALSO NEUROPHARMACOLOGICAL AGENTS, PARASYMPATHOMIMETIC
SEE ALSO NEUROTRANSMITTERS RECEPTORS, CHOLINERGIC RECEPTORS
R01DE-05605-05 The humoral regulation of pulp circulation (rats, dogs)
R01DE-06904-02 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
** R03DE-07152-01 Skeletal muscle basal laminae--Biochemical analyses (rats)

CHOLINE, CARBACHOL
R01DE-06115-02 Protein phosphorylation in parotid gland secretion (rabbits)
R01DE-06511-03 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)

CHOLINERGIC AGENTS
SEE NEUROPHARMACOLOGICAL AGENTS, PARASYMPATHOMIMETIC

CHOLINERGIC RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, CHOLINERGIC RECEPTORS

CHONDROCYTES
SEE SKELETAL SYSTEM, CARTILAGE CELLS

CHONDROGENESIS
SEE SKELETAL SYSTEM, CARTILAGE DEVELOPMENT

CHONDROITINASE (HYALURONOGLUCOSIDASE)
SEE CARBOHYDRASES, HYALURONIDASE

CHONDROITIN SULFATE
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS, CHONDROITIN SULFATE

CHONDROMUCOPROTEINS
SEE PROTEOGLYCANS

CHORION
SEE PREGNANCY MEMBRANES, CHORION

CHROMATIN
SEE GENETICS, CHROMOSOMES, CHROMATIN

CHROMIUM (COMPOUNDS)
SEE METALS, HEAVY METALS, CHROMIUM (COMPOUNDS)

CHROMOSOME ABNORMALITIES
SEE GENETIC DISORDERS, CHROMOSOME ABNORMALITIES

CHROMOSOME COMPLEMENT
SEE GENETICS, CHROMOSOME COMPLEMENT

CHROMOSOME NUMBER ABNORMALITIES
SEE GENETIC DISORDERS, CHROMOSOME ABNORMALITIES

CHROMOSOME REPLICATION
SEE GENETICS, CHROMOSOMES, CHROMOSOME REPLICATION

CHROMOSOMES
SEE GENETICS, CHROMOSOMES

CHRONIC DISEASES (DISORDERS)
SEE DISEASES, CHRONIC (GENERAL)

CHRONIC TREATMENT, DRUGS
SEE DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION

CIGARETTE SMOKING
SEE PSYCHOLOGY, HABITS, SMOKING

CIGAR SMOKING
SEE PSYCHOLOGY, HABITS, SMOKING

CILIARY MOVEMENT
SEE CELL COMPONENTS, CILIARY AND FLAGELLAR MOVEMENT

CIRCADIAN RHYTHMS
SEE BIOPERIODICITY, CIRCADIAN RHYTHMS

CIRCULATION
SEE CARDIOVASCULAR FUNCTION, BLOOD CIRCULATION DYNAMICS (GENERAL)
SEE SKELETAL SYSTEM CIRCULATION

CIS-9, CIS-12-OCTADECADIENOIC ACID
SEE FATTY ACIDS, UNSATURATED, LINOLEIC ACID

CISTRONS
SEE GENETICS, GENES

CITIES
SEE SOCIOENVIRONMENT, URBAN AREAS

CITRATES
SEE TRICARBOXYLIC ACIDS, CITRATES

CITRIC ACID
SEE TRICARBOXYLIC ACIDS, CITRATES

CITRIC ACID CYCLE
SEE TRICARBOXYLIC ACIDS, KREBS CYCLE

CL
SEE HALOGENS, CHLORINE (COMPOUNDS) SEE ALSO SPECIFICS

CLEARINGHOUSES
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

CLEAVAGE
SEE CHEMICAL BONDS, BOND CLEAVAGE

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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CLEFT LIP
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT LIP

CLEFT PALATE
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT PALATE

CLEFT PALATE PROSTHESIS
SEE ORAL-FACIAL RESTORATION, CLEFT PALATE PROSTHESIS

CLEOCIN
SEE ANTIBIOTICS, LINCOMYCIN, CLINDAMYCIN

CLINDAMYCIN
SEE ANTIBIOTICS, LINCOMYCIN, CLINDAMYCIN

CLINICAL DATA COMPUTER PROCESSING
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER PROCESSING OF CLINICAL DATA

CLINICAL RESEARCH CENTERS
M P50DE-04881-09 Clinical research in periodontal disease
M P50DE-04898-09 Periodontal disease research center
M P50DE-05139-08 Clinical research center for periodontal disease

CLINICS (GENERAL)
SEE HEALTH CARE FACILITIES, OUTPATIENT FACILITIES

CLONE CELLS
SEE TISSUE (CELL) CULTURE, CLONE CELLS*

CLONING OF NUCLEIC ACIDS, GENES AND PLASMIDS
SEE GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING

CO
SEE METALS, HEAVY METALS, COBALT (COMPOUNDS)

COBALT (COMPOUNDS)
SEE METALS, HEAVY METALS, COBALT (COMPOUNDS)

COCARCINOGENS
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENS, COCARCINOGENS

COCCI, GRAM-NEGATIVE
SEE BACTERIA, GRAM-NEGATIVE*

COCCI, GRAM-POSITIVE
SEE BACTERIA, GRAM-POSITIVE*

CODING (BIOLOGICAL)
SEE INFORMATION PROCESSING AND CONTROL (BIOLOGICAL)

CODING (GENETIC)
SEE GENETICS, BIOCHEMICAL GENETICS, GENETIC CODING

CODING (NEURAL)
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

CODON
SEE GENETICS, BIOCHEMICAL GENETICS, GENETIC CODING

COENZYME I
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NAD(H2)

COENZYME II
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NADP(H2)

COGNITION
SEE PSYCHOLOGY, COGNITION

COGNITION DISORDERS
SEE PSYCHOLOGY ABNORMAL, COGNITION DISORDERS

COGNITIVE CONTROL OF VISCERAL RESPONSES
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

COLCHICINE
SEE ALKALOIDS, COLCHICINE

COLD INSOLUBLE GLOBULIN (CIG)
SEE GLYCOPROTEINS, FIBRONECTIN

COLLAGEN
SEE FIBROUS PROTEINS, COLLAGEN

COLLAGEN DISEASES
SEE CONNECTIVE TISSUE DISORDERS, COLLAGEN DISEASES

COLLAGENASE
SEE PROTEASES AND PEPTIDASES, COLLAGENASE

COLLEGES
SEE EDUCATION, UNIVERSITIES

COMBINATION CHEMOTHERAPY
SEE DRUGS, CHEMOTHERAPY, DRUGS COMBINATION

COMMUNICABLE DISEASE CONTROL
SEE ALSO FOOD SCIENCES AND TECHNOLOGY, FOOD SANITATION
SEE ALSO IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION
SEE ALSO INJURY (HAZARDS) PREVENTION AND CONTROL, BIOHAZARDS (CONTROL)
R01DE-06551-02 Stress, host factors, and acute necrotizing gingivitis (human)

COMMUNICABLE DISEASE CONTROL, GERM-FREE
P50DE-07010-02 0007 Specialized caries research center - Bacterial interrelationships in an animal model (rats)

COMMUNICABLE DISEASE CONTROL AGENTS
SEE ALSO ANTIBIOTICS
SEE ALSO COMMUNICABLE DISEASES CHEMOTHERAPY
SEE ALSO IMMUNITY, CYTOKINES, LYMPHOKINES, INTERFERON
SEE ALSO IMMUNOLOGICAL PREPARATIONS (GENERAL) (INCLUDING CERTIFICATION AND STANDARDIZATION)
P50DE-02731-19 0021 Development support for dental research institute - Bacteriology laboratory (human)
** R23DE-07233-01 Multivariate analysis of saliva antimicrobial proteins (humans)
N01DE-12433-05 Phase contrast evaluation of subgingival plaque

COMMUNICABLE DISEASE CONTROL AGENTS, ANTIBACTERIAL
SEE ALSO ANTIBIOTICS
** R01DE-03487-14 Inhibition of human cariogenic streptococci
R01DE-05334-05 Periodontal therapy by controlled local drug delivery (human)
** R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
P50DE-07010-02 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents
R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R03DE-07311-01 Isolation of antibacterial peptides from human PMNs (rabbits)

COMMUNICABLE DISEASE CONTROL AGENTS, ANTIVIRAL
SEE ALSO VACCINES, VIRAL VACCINES (GENERAL)
** R01DE-06128-02 Synthesis-testing of a herpesvirus antiviral agent
** R01DE-06866-02 Deoxyuridine metabolism in herpes labialis (rabbit, human)
R01DE-07007-02 Multiple factors in the etiology of oral cancer (mice)
** R23DE-07710-01 New targets for anti-herpes simplex virus chemotherapy (rabbits)

COMMUNICABLE DISEASE TRANSMISSION
P50DE-07117-01 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
** N01DE-42552-02 Prevent maternal transmission of streptococcus mutans (humans)

COMMUNICABLE DISEASES CHEMOTHERAPY
SEE ALSO COMMUNICABLE DISEASE CONTROL AGENTS
R01DE-06866-02 Deoxyuridine metabolism in herpes labialis (rabbit, human)

COMMUNICABLE DISEASES DIAGNOSIS*
R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
P50DE-07117-01 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)

COMMUNICATIVE BEHAVIOR
SEE INFORMATION-COMMUNICATION BEHAVIOR

COMPLEMENT
SEE IMMUNOLOGY, COMPLEMENT

COMPLEMENT RECEPTORS
SEE IMMUNOLOGY, COMPLEMENT RECEPTORS

COMPLEMENTARY DNA
SEE NUCLEIC ACIDS, COMPLEMENTARY DNA

COMPLEXES
SEE METAL COMPLEXES

COMPLIANCE OF PATIENT WITH THERAPY REGIMEN
SEE THERAPY COMPLIANCE

COMPLICATIONS (DISEASE ORIENTED)
SEE DISEASES, COMPLICATIONS

COMPLICATIONS OF CANCER
SEE NEOPLASMS, CANCER COMPLICATIONS OF

COMPLICATIONS OF CANCER, INFECTIONS
SEE NEOPLASMS, CANCER COMPLICATIONS OF, INFECTIONS

COMPUTER (GENERAL) INCL COMPUTER DATA PROCESSING (GENERAL)
R44DE-06779-03 Evaluation of a new automated periodontal probe

COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS
SEE ALSO BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED DIAGNOSIS
SEE ALSO BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED MEDICAL DECISION MAKING
SEE ALSO COMPUTER SIMULATION
SEE ALSO EDUCATION, COMPUTER ASSISTED INSTRUCTION
SEE ALSO OPTICS, IMAGE PROCESSING ANALYSIS AND DISPLAY*

** P01DE-01697-23 0040 A research program in craniofacial problems - Pattern recognition for reconstruction of nasal capsular anatomy (primates)

COMPUTER ANALYSIS*
R01DE-03598-10 Dentofacial effects of forces to retract the maxilla (human)
R01DE-05410-06 Orthodontic treatment effects on craniofacial growth (human)

COMPUTER ASSISTED DIAGNOSIS
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED DIAGNOSIS

COMPUTER ASSISTED INSTRUCTION
SEE EDUCATION, COMPUTER ASSISTED INSTRUCTION

COMPUTER ASSISTED MEDICAL DECISION MAKING
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED MEDICAL DECISION MAKING

COMPUTER CONTROL SYSTEMS (GENERAL)
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

COMPUTER DIAGNOSIS
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED DIAGNOSIS

COMPUTER GRAPHICS
SEE COMPUTER PRINTING-GRAPHICS (GENERAL)

COMPUTER INFORMATION RETRIEVAL
SEE INFORMATION SYSTEMS, INFORMATION RETRIEVAL

COMPUTER PATTERN RECOGNITION (OTHER THAN IMAGE-WAVESHAPE, OR COMPUTER SIMULATION OR DIAGNOSIS)
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

COMPUTER PRINTING-GRAPHICS (GENERAL)
SEE ALSO OPTICS, IMAGE PROCESSING ANALYSIS AND DISPLAY*
P01DE-02872-16 0018 Center for craniofacial anomalies - Computerization of clinical data
P01DE-03568-11 0013 Craniofacial anomalies--Etiology and treatment - Development of new methods for the study of craniofacial anomalies
R01DE-06720-02 Resistance of various restorative materials
R01DE-06856-02 Arthrophonometry of the temporomandibular joint (human)

COMPUTER PROCESSING OF BIOMEDICAL DATA (GENERAL)
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER PROCESSING OF LABORATORY DATA (GENERAL)

COMPUTER PROCESSING OF CLINICAL DATA
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER PROCESSING OF CLINICAL DATA

COMPUTER PROCESSING OF LABORATORY (BIOMEDICAL) DATA (GENERAL)
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER PROCESSING OF LABORATORY DATA (GENERAL)

COMPUTER PROGRAMMING*
R01DE-04068-11 Statistical methods in dental research
R43DE-06778-01 Videodisc and computer technology in malocclusion
R03DE-07143-01 Sounds of normal and impaired swallow (humans)
N01DE-42500-05 Microbiological information system

COMPUTER SIMULATION
SEE ALSO MODELS, MATHEMATICAL
R01DE-03953-11 Force systems from orthodontic appliances
R01DE-05180-07 Regulation of surface synthesis in Streptococcus mutans
R01DE-05354-08 Prevention of dental caries
R01DE-05423-06 Diffuse reflectance by esthetic dental materials
R01DE-05476-05 Novel peptide derived sweeteners
R01DE-06552-04 Hydroxyapatite remineralization--The role of fluoride
** R43DE-06778-01 Videodisc and computer technology in malocclusion
R01DE-06881-03 Oral facial morphology and breathing--Quantitative studies (human)
** R01DE-07186-01 Validation of an index to score dental aesthetics (human)
** R03DE-07274-01 Detecting heterogeneity in juvenile periodontitis (human)
R03DE-07319-02 Intermicroscopic correlation of remineralization

COMPUTERIZED DATA BANKS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

COMPUTERIZED INFORMATION SYSTEMS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

CONDITIONING (AUTOGENIC)(BIOFEEDBACK)
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

(contd).

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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CONDITIONING THERAPY (BEHAVIOR)
SEE PSYCHOTHERAPY, BEHAVIOR MODIFICATION

CONDYLE MANDIBULAR
SEE ORAL-PHARYNGEAL, JAW, MANDIBULAR CONDYLE

CONFERENCES
SEE INFORMATION DISSEMINATION, MEETINGS CONFERENCES SYMPOSIA

CONFORMATIONS (CHEMISTRY)
SEE CHEMICAL STRUCTURE, STEREOCHEMISTRY, CONFORMATIONS

CONGENITAL ABNORMALITIES
SEE ALSO GENETIC DISORDERS (SEE ALSO APPROPRIATE CONGENITAL ABNORMALITIES)
P50DE-02600-19 0047 Support for oral biology research center - Clinical research on periodontal diseases
** P50DE-05139-08 0003 Clinical research center for periodontal disease - Human genetics section
R01DE-06409-03 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)
** R03DE-07301-01 Congenital effects of low mercury and lead exposure (human)

CONGENITAL ABNORMALITIES, DENTITION
R01DE-05396-05 Craniofacial adaptations after total maxillary osteotomy (monkeys)
P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
** R03DE-07279-01 Dental diseases and a gene map of human chromosome 4

CONGENITAL ABNORMALITIES, DRUG INDUCED
SEE ALSO CONGENITAL ABNORMALITIES, TERATOGENIC AGENTS
R01DE-07062-01 Cleft lip and palate in Los Angeles Hispanics

CONGENITAL ABNORMALITIES, FUSION FAILURES
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT LIP
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT PALATE
R01DE-05550-05 Differentiation during craniofacial embryogenesis (mice)

CONGENITAL ABNORMALITIES, HEART DEFECTS
R03DE-07149-01 Ethanol teratogenicity at early somite stages in mice

CONGENITAL ABNORMALITIES, NEUROLOGICAL (GENERAL)
** R23DE-06243-03 The extracellular matrix in neural crest formation (mice, chick, rat)

CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT LIP
** P01DE-01697-23 0040 A research program in craniofacial problems - Pattern recognition for reconstruction of nasal capsular anatomy (primates)
M P01DE-02872-16 Center for craniofacial anomalies
** P01DE-02872-16 0018 Center for craniofacial anomalies - Computerization of clinical data
** P01DE-02872-16 0062 Center for craniofacial anomalies - Growth studies
** P01DE-02872-16 0063 Center for craniofacial anomalies - Genetic studies (human)
** P01DE-02872-16 0064 Center for craniofacial anomalies - Audiology/otologic studies
M P01DE-03568-11 Craniofacial anomalies--Etiology and treatment
** P01DE-03568-11 0010 Craniofacial anomalies--Etiology and treatment - Components of syndromes and their classification (human)
** P01DE-03568-11 0011 Craniofacial anomalies--Etiology and treatment - Development or growth patterns in craniofacial anomalies (human)
** P01DE-03568-11 0012 Craniofacial anomalies--Etiology and treatment - Effects of surgical-orthodontic intervention
** P01DE-03568-11 0013 Craniofacial anomalies--Etiology and treatment - Development of new methods for the study of craniofacial anomalies
P01DE-03610-19 0016 Craniofacial growth and development - Craniofacial growth from change (human)
** P01DE-03610-19 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis
R01DE-04327-10 Mechanical and electrical effects on osteogenesis (rats)
** P01DE-04511-10 Stability of differentiation--Craniofacial study (mice, human, hamsters)
** R01DE-04622-09 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-04859-06 Tissue interactions in the cranio-facial region (mice, chick embryos)
** R01DE-04940-07 Muscular disorders in craniofacial malformations (human)
** R01DE-05396-05 Craniofacial adaptations after total maxillary osteotomy (monkeys)
R01DE-05616-07 Matrix-cell interaction in craniofacial development (chick and quail embryos)
** R23DE-06243-03 The extracellular matrix in neural crest formation (mice, chick, rat)
R01DE-06528-03 Trigeminal primary afferent organization and development (rats
** R01DE-06553-03 Arachidonate metabolism and orofacial development (mice)
** R01DE-06570-04 Psychosocial evaluation of craniofacial patients
R01DE-06632-03 Origin and patterning of head muscles, bones and nerves (quail, chick embryos)
** R01DE-06634-02 Cyclosporine in craniofacial composite tissue allografts (human, mammals)
** R01DE-06881-03 Oral facial morphology and breathing - Quantitative studies (human)
R01DE-06988-01 Determination and expression of amelogenin gene products (mice)
R01DE-07120-02 Cell-substrate interaction in craniofacial morphogenesis
** R03DE-07121-01 Acid production in craniofacial osteoclasts (mice)
R03DE-07149-01 Ethanol teratogenicity at early somite stages in mice
** R01DE-07332-01 Analysis of utility of implants in craniofacial research
** R03DE-07418-01 Dentinogenesis imperfecta--Chromosome mapping

CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT LIP
** P50DE-02668-19 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
P01DE-02872-16 0062 Center for craniofacial anomalies - Growth studies
R01DE-04622-09 Craniofacial anomalies and protein receptors (mice, rats)
M P01DE-05837-05 Growth, surgical, and speech aspects of cleft palate
P01DE-05837-05 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
** P01DE-05837-05 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
** P01DE-05837-05 0005 Growth, surgical, and speech aspects of cleft palate - Psychoeducation project (human)
** R01DE-06069-03 A genetic study of cleft lip and cleft palate in Hawaii
** R01DE-06216-03 Gene-environment interactions in cleft lip mice (monkeys)
R01DE-06553-03 Arachidonate metabolism and orofacial development (mice)
R01DE-06957-02 Nasal airway and respiratory mode in cleft palate (human)
** R03DE-07430-01 A study of facial features in cleft lip-palate families (human)

CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT PALATE
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, PIERRE-ROBIN SYNDROME
M P01DE-01697-23 A research program in craniofacial problems
** P01DE-01697-23 0035 A research program in craniofacial problems - Non-human primate model of cleft palate and ear disease (monkeys)
** P01DE-01697-23 0036 A research program in craniofacial problems - Evaluation of velopharyngeal sphincteric function (human)
P01DE-01697-23 0037 A research program in craniofacial problems - Effects of oronasal fistulae on speech (human)
** P01DE-01697-23 0038 A research program in craniofacial problems - Anatomy of the posterior pharyngeal wall (human)
** P01DE-01697-23 0039 A research program in craniofacial problems - Otitis media and its consequences (human)
P01DE-01697-23 0041 A research program in craniofacial problems - Effect of palate repair on eustachian tube function (human)
P50DE-02668-19 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
R01DE-02774-17 Tissue interaction in palatal shelf closure (mice)
P01DE-02872-16 0062 Center for craniofacial anomalies - Growth studies
** R01DE-04622-09 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-05550-05 Differentiation during craniofacial embryogenesis (mice)
M P01DE-05837-05 Growth, surgical, and speech aspects of cleft palate
** P01DE-05837-05 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
** P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
** P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
** P01DE-05837-05 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
** P01DE-05837-05 0005 Growth, surgical, and speech aspects of cleft palate - Psychoeducation project (human)
** R01DE-06069-03 A genetic study of cleft lip and cleft palate in Hawaii
R01DE-06397-03 Biochemical aspects of orofacial development
R01DE-06553-03 Arachidonate metabolism and orofacial development (mice)
** R01DE-06848-02 Androgen control of salivary gland EGF in cleft palate (mice)
** R01DE-07062-01 Cleft lip and palate in Los Angeles Hispanics
** R01DE-07105-01 Speech aerodynamics--Regulation/control in cleft palate (human)
** R23DE-07107-02 Cyclic nucleotides and prostaglandins in cleft palate (mice)
** R03DE-07145-01 Oxygen free radicals in palatal development (mice)
** R03DE-07430-01 A study of facial features in cleft lip-palate families (human)

CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CRANIOFACIAL DYSOSTOSIS
** R03DE-06272-02 Oxygen and sodium valproate induced craniofacial defects (mice)

CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CRANIOSYNOSTOSES
** R23DE-06909-03 Experimentally induced premature craniosynostosis (rabbits)

CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, PIERRE-ROBIN SYNDROME
P01DE-02872-16 0062 Center for craniofacial anomalies - Growth studies

CONGENITAL ABNORMALITIES, SKELETAL (GENERAL)
SEE ALSO CONGENITAL ABNORMALITIES, FUSION FAILURES
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL
SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA
SEE ALSO METABOLIC DISORDERS INBORN, MARFAN SYNDROME
SEE ALSO METABOLIC DISORDERS INBORN, OSTEOGENESIS IMPERFECTA
SEE ALSO METABOLIC DISORDERS INBORN, OSTEOPETROSIS
R01DE-04327-10 Mechanical and electrical effects on osteogenesis (rats)

CONGENITAL ABNORMALITIES, SKIN, EPIDERMOLYSIS BULLOSA
R01DE-06671-03 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)

CONGENITAL ABNORMALITIES, TERATOGENIC AGENTS
SEE ALSO CONGENITAL ABNORMALITIES, DRUG INDUCED
SEE ALSO GENETICS, MUTAGENS
P50DE-02668-19 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
** R01DE-04511-10 Stability of differentiation--Craniofacial study (mice, human, hamsters)
** R01DE-04622-09 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-06216-03 Gene-environment interactions in cleft lip mice (monkeys)
R23DE-06243-03 The extracellular matrix in neural crest formation (mice, chick, rat)
** R03DE-06272-02 Oxygen and sodium valproate induced craniofacial defects (mice)
R01DE-07011-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
R23DE-07107-02 Cyclic nucleotides and prostaglandins in cleft palate (mice)
R03DE-07145-01 Oxygen free radicals in palatal development (mice)
** R03DE-07149-01 Ethanol teratogenicity at early somite stages in mice
** R03DE-07157-01 Studies on nitrous oxide teratogenesis (rats)
** R03DE-07301-01 Congenital effects of low mercury and lead exposure (human)
R01DE-07696-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

CONGENITAL DISEASES
SEE CONGENITAL ABNORMALITIES

CONGENITAL HEART DISEASE
SEE CONGENITAL ABNORMALITIES, HEART DEFECTS

CONJUGATION MICROORGANISMS
SEE REPRODUCTION MICROORGANISMS, CONJUGATION MICROORGANISMS

CONNECTIVE TISSUE (GENERAL)
SEE ALSO DENTAL STRUCTURE, PERIODONTIUM
SEE ALSO FIBROUS PROTEINS, COLLAGEN
SEE ALSO FIBROUS PROTEINS, ELASTIN
SEE ALSO MEMBRANE, BASEMENT MEMBRANE
SEE ALSO SKELETAL SYSTEM, BONE
SEE ALSO SKELETAL SYSTEM, CARTILAGE
SEE ALSO SKELETAL SYSTEM, LIGAMENT
SEE ALSO SKELETAL SYSTEM, TENDONS

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

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See Appendix for investigator's name and Grant Number

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P50DE-02600-19 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
** P50DE-02600-19 0038 Support for oral biology research center - Connective tissue alterations in periodontal disease
P50DE-02668-19 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
P50DE-02670-19 0003 Institute of dental researc' Macromolecules of mineralized tissues
** P50DE-02670-19 0029 Institute of dental research - Structure and interactions of proteoglycans
P50DE-02670-19 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)
** P50DE-02731-19 0031 Development support for dental research institute - Biochemistry laboratory (human)
R01DE-02774-17 Tissue interaction in palatal shelf closure (mice)
R23DE-07351-01 Morphological basis of tongue movement and control (mammals)

CONNECTIVE TISSUE, MESENCHYME
R01DE-02774-17 Tissue interaction in palatal shelf closure (mice)
** P01DE-02848-15 0009 Biology of connective tissue, bones, and teeth - Epithelial-mesenchymal interactions and palate morphogenesis
P01DE-02848-15 0010 Biology of connective tissue, bones, and teeth - Enamel gene expression during vertebrate tooth development (animals)
R01DE-04859-06 Tissue interactions in the cranio-facial region (mice, chick embryos)
R01DE-04970-07 Nuclear composition and organization for odontogenesis (rats)
R23DE-06243-03 The extracellular matrix in neural crest formation (mice, chick, rat)
R01DE-06397-03 Biochemical aspects of orofacial development
R01DE-06553-03 Arachidonate metabolism and orofacial development (mice)
R01DE-06635-03 Tissue interactions and salivary cytodifferentiation (rats, rabbits)
R23DE-06849-03 Identification of intraoral mucosal wound hyaluronidase (rabbits)
R01DE-06886-02 Bioactive factors from demineralized adult bone (chick embryo)
R01DE-06988-01 Determination and expression of amelogenin gene products (mice)
R23DE-07107-02 Cyclic nucleotides and prostaglandins in cleft palate (mice)
R23DE-07190-01 Craniofacial ossification during anuran metamorphosis

CONNECTIVE TISSUE CELLS, FIBROBLASTS
P50DE-02600-19 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
** P50DE-02600-19 0038 Support for oral biology research center - Connective tissue alterations in periodontal disease
R01DE-03301-15 Connective tissues of the periodontium (human, dog)
** R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
R01DE-04511-10 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-05640-05 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05690-04 Localization of the procollagens in dental tissues (rats, mice, rabbits)
R01DE-05817-05 Cellular mechanisms of collagen breakdown (human, animals)
R23DE-06091-03 Primary human cells--A model for materials testing (tissue culture)
** R01DE-06165-03 Cell biology of periodontal ligament fibroblast
R01DE-06541-03 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)
R01DE-06585-03 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
R01DE-06671-03 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)
R23DE-06766-02 Surgical regeneration of the periodontium (dogs)
R01DE-06886-02 Bioactive factors from demineralized adult bone (chick embryo)
R03DE-06940-01 Comparisons of microvessels and osteoblasts in vitro
R01DE-06977-02 Oral mucosa in vitro (mice, rats, guinea pigs)
R03DE-07014-01 Human PDL cell attachment to root surfaces
R01DE-07220-01 Bioactive factors in skeletal repair (rabbits, rats)
R03DE-07297-01 Mechanism of action of phenytoin (human, rats)
R03DE-07404-01 Collagen matrices for oral epithelium in vitro (human, rats)
** R03DE-07436-01 Intracellular degradation of extracellular collagen (human)
R03DE-07556-01 Investigation of PDGF receptors on U20s osteosarcoma cells (tissue culture)

CONNECTIVE TISSUE DEVELOPMENT
SEE ALSO SKELETAL SYSTEM, BONE DEVELOPMENT
SEE ALSO SKELETAL SYSTEM, CARTILAGE DEVELOPMENT
R01DE-03318-14 The molecular nature of gingival and mucosal collagen (rats)
** R23DE-06243-03 The extracellular matrix in neural crest formation (mice, chick, rat)
R01DE-06632-03 Origin and patterning of head muscles, bones and nerves (quail, chick embryos)

CONNECTIVE TISSUE DISORDERS (GENERAL)
SEE ALSO METABOLIC DISORDERS INBORN, EHLERS-DANLOS SYNDROME
SEE ALSO METABOLIC DISORDERS INBORN, MARFAN SYNDROME
SEE ALSO SKELETAL DISORDERS, BONE DISORDERS (GENERAL)
SEE ALSO SKELETAL DISORDERS, CARTILAGE DISORDERS
SEE ALSO SKELETAL DISORDERS, JOINT DISORDERS
SEE ALSO SKIN DISORDERS, SKIN HYPERSENSITIVITY, SCLERODERMA
** P50DE-02600-19 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)

CONNECTIVE TISSUE DISORDERS, COLLAGEN DISEASES
SEE ALSO CONNECTIVE TISSUE DISORDERS, LUPUS ERYTHEMATOSUS SYSTEMIC
SEE ALSO CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME
SEE ALSO METABOLIC DISORDERS INBORN, OSTEOGENESIS IMPERFECTA
P50DE-02600-19 0038 Support for oral biology research center - Connective tissue alterations in periodontal disease
P50DE-02670-19 0019 Institute of dental research - Chemistry/biology of the genetically-distinct collagens
** R01DE-03301-15 Connective tissues of the periodontium (human, dog)

CONNECTIVE TISSUE DISORDERS, LUPUS ERYTHEMATOSUS SYSTEMIC
R01DE-06671-03 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)

CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME
** R03DE-07123-01 Role of cytomegalovirus in Sjogren's syndrome

CONNECTIVE TISSUE DISORDERS CHEMOTHERAPY
SEE ALSO SKELETAL DISORDERS CHEMOTHERAPY
P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)

CONNECTIVE TISSUE HYPERPLASIA, FIBROSIS SUBCUTANEOUS
P50DE-02670-19 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)

CONNECTIVE TISSUE METABOLISM
SEE ALSO SKELETAL SYSTEM, BONE METABOLISM
SEE ALSO SKELETAL SYSTEM, CARTILAGE METABOLISM
P01DE-01850-22 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
** P50DE-02600-19 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
P50DE-02670-19 0019 Institute of dental research - Chemistry/biology of the genetically-distinct collagens
** R01DE-04141-11 Mechanism of hard tissue mineralization (human, rats)
** R01DE-05937-05 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
** R23DE-06739-02 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
** R03DE-06821-02 Regulation of bone cells three-dimensional culture models (mice)
P01DE-06946-02 0015 Pathophysiology of MPD and other facial pain syndromes - Healing of surgical defects in retrodiscal tissue (rabbits)

CONNEXONS
SEE CELL-CELL INTERACTION, INTERCELLULAR CONNECTIONS-JUNCTIONS

CONSCIOUSNESS, SOCIAL
SEE PSYCHOLOGY SOCIAL, SOCIAL PERCEPTION

CONSTANT REGION (CL,CH) GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

CONSUMER PRODUCTS, GLUES AND ADHESIVES
SEE ALSO DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS
** R01DE-05956-05 The adhesive of Mytilus byssus

CONSUMER PRODUCTS, MOUTHWASHES
P50DE-02670-19 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
R01DE-06105-03 Using fluoride-chlorhexidine to prevent radiation caries (human)
P50DE-07003-02 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)
P50DE-07010-02 0003 Specialized caries research center - Radiotelemetric evaluation of interproximal plaque pH (human)
R01DE-07030-01 Epidemiology, prevention and treatment of root caries (humans)
N01DE-22438-08 Relationship of dietary intake to caries incidence (human)
** N01DE-32400-06 NaF mouthrinsing for caries prevention

CONTAMINATION (GENERAL)
SEE ENVIRONMENTAL HEALTH, CONTAMINATION (GENERAL)

CONTRACTILE PROTEINS
SEE MUSCLE PROTEINS (AND CONTRACTILE PROTEINS)

CONTRACTION
SEE MUSCLE FUNCTION, MUSCLE CONTRACTION

CONTRAST MEDIA
SEE RADIOGRAPHY, CONTRAST MEDIA*

CONTROL
SEE COMMUNICABLE DISEASE CONTROL

CONTROL OF BIOHAZARDS
SEE INJURY (HAZARDS) PREVENTION AND CONTROL, BIOHAZARDS (CONTROL)

CONTROL OF VISCERAL RESPONSES BY SELF REGULATION
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

CONVERTING VIRUSES
SEE VIRUS CHARACTERISTICS, TRANSFORMING VIRUSES

CONVULSIONS
SEE NEUROMOTOR DISORDERS, CONVULSIONS

COOPERATION
SEE PSYCHOLOGY SOCIAL, COOPERATION

COORDINATION COMPOUNDS, METAL
SEE METAL COMPLEXES

COPING BEHAVIOR
SEE PSYCHOLOGICAL ADAPTATION, COPING BEHAVIOR

COPOLYMER I
SEE PEPTIDES, SYNTHETIC PEPTIDES

COPOLYMERS
SEE MOLECULAR CONDENSATIONS, COPOLYMERS

COPPER (COMPOUNDS)
SEE METALS, HEAVY METALS, COPPER (COMPOUNDS)

CORNIFICATION
SEE GROWTH AND DEVELOPMENT, KERATINIZATION

CORTICOSTEROIDS
SEE ADRENAL CORTEX HORMONES

CORTISONE
SEE ADRENAL CORTEX HORMONES, CORTISONE

COUNSELING, GENETIC
SEE GENETIC DISORDERS, GENETIC COUNSELING

CR
SEE METALS, HEAVY METALS, CHROMIUM (COMPOUNDS)

CRABTREE EFFECT
SEE HEXOSES, GLYCOLYSIS

CRANIAL ABNORMALITIES
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL

CRANIAL NERVES
SEE NERVOUS SYSTEM, CRANIAL NERVES

CRANIAL SUTURES
SEE SKELETAL SYSTEM, SKULL, CRANIAL SUTURES

CRANIOFACIAL ABNORMALITIES (GENERAL)
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL

CRANIOFACIAL DYSOSTOSIS
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CRANIOFACIAL DYSOSTOSIS

CRANIOSYNOSTOSES
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CRANIOSYNOSTOSES

CRANIUM
SEE SKELETAL SYSTEM, SKULL

CRIPPLED CHILDREN
SEE CHILDREN, HANDICAPPED CHILDREN

CROSS IMMUNITY
SEE IMMUNITY, CROSS IMMUNITY

CROSSLINKS (CHEMICAL BONDS)
SEE CHEMICAL BONDS, CROSSLINKS

CROSSOVER INDUCING TEST FOR MUTAGENS
SEE GENETICS, MUTAGENS, MUTAGEN TESTS

CROWNWORK
SEE DENTAL PROSTHESIS

CRYOPRESERVATION
SEE TEMPERATURE, CRYOSCIENCES, LOW TEMPERATURE PRESERVATION AND STORAGE

CRYSTALLIZATION
SEE PHYSICAL PROPERTIES, CRYSTALS, CRYSTALLIZATION

(contd)

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CRYSTALS
SEE PHYSICAL PROPERTIES, CRYSTALS, CRYSTALLIZATION

CUBAN AMERICANS
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, HISPANICS

CU
SEE METALS, HEAVY METALS, COPPER (COMPOUNDS)

CULTURE, EMBRYO, FETUS
SEE PREGNANCY, EMBRYO-FETUS CULTURE

CULTURE MEDIA
SEE GROWTH MEDIA

CULTURES
SEE GROWTH MICROORGANISMS, MICROBIAL CULTURE
SEE TISSUE (CELL) CULTURE*

CURARIFORM DRUGS
SEE MUSCLE RELAXANTS

CURETTAGE SUBGINGIVAL
SEE DENTISTRY, SUBGINGIVAL CURETTAGE

CUTANEOUS SENSE
SEE SENSORY-PERCEPTUAL PROCESSES, SOMESTHESIS

CUTANEOUS SENSORY NERVES
SEE NERVOUS SYSTEM, AFFERENT NERVES, CUTANEOUS SENSORY NERVES

CYANATES
SEE ALSO THIOCYANATES
R01DE-05793-04 Processing of procollagen to collagen (rabbit, chick embryo)

CYBERNETICS (BIOLOGICAL)
SEE INFORMATION PROCESSING AND CONTROL (BIOLOGICAL)

CYBERNETICS (COMPUTER ARTIFICIAL INTELLIGENCE (GENERAL))
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

CYBERNETICS (COMPUTER) GENERAL
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

CYBERNETICS (NEURAL)
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

CYCLAMATES
SEE FOOD, SWEETENING AGENTS

CYCLASE (ADENYL CYCLASE)
SEE NUCLEOTIDYL-CYCLASES, ADENYLATE CYCLASE

CYCLASE, GUANYL CYCLASE
SEE NUCLEOTIDYL-CYCLASES, GUANYLATE CYCLASE

CYCLIC AMINO ACIDS, DOPA
R01DE-05956-05 The adhesive of Mytilus byssus

CYCLIC AMINO ACIDS, HISTIDINE
R01DE-03915-12 Tooth-saliva interface phenomena and dental caries (rabbits, goats)

CYCLIC AMINO ACIDS, PHENYLALANINE ANALOGS
R01DE-05476-05 Novel peptide derived sweeteners

CYCLIC AMINO ACIDS, PROLINE
R01DE-03318-14 The molecular nature of gingival and mucosal collagen (rats)
R01DE-03915-12 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
R01DE-03987-11 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-05956-05 The adhesive of Mytilus byssus
R01DE-06000-05 Effect of parotid function on saliva and cells (rats)

CYCLIC AMINO ACIDS, PROLINE, HYDROXYPROLINE
R01DE-03987-11 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-05956-05 The adhesive of Mytilus byssus
** R01DE-06953-02 Hydroxyproline levels in periodontal health and disease (dogs)
P50DE-07118-01 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)

CYCLIC AMINO ACIDS, PROLINE, 3-HYDROXYPROLINE
R01DE-03318-14 The molecular nature of gingival and mucosal collagen (rats)

CYCLIC AMINO ACIDS, TRYPTOPHAN
P50DE-02668-19 0190 Regional dental research center - Thrombin and prothrombin

CYCLIC AMINO ACIDS, TYROSINE
P50DE-02668-19 0190 Regional dental research center - Thrombin and prothrombin
R01DE-03915-12 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
R01DE-05956-05 The adhesive of Mytilus byssus

CYCLIC AMP
SEE PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, AMP CYCLIC

3',5'-CYCLIC-AMP PHOSPHODIESTERASE
SEE NUCLEASES, CYCLIC NUCLEOTIDE PHOSPHODIESTERASE

CYCLIC COMPOUNDS (GENERAL)
SEE CYCLICS (CYCLIC COMPOUNDS) GENERAL

CYCLIC GMP
SEE PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES, GMP CYCLIC

CYCLIC NUCLEOSIDE MONOPHOSPHATES
SEE NUCLEOTIDES, NUCLEOSIDE MONOPHOSPHATES CYCLIC

CYCLIC NUCLEOTIDE PHOSPHODIESTERASE
SEE NUCLEASES, CYCLIC NUCLEOTIDE PHOSPHODIESTERASE

CYCLIC NUCLEOTIDES
SEE NUCLEOTIDES, NUCLEOSIDE MONOPHOSPHATES CYCLIC

CYCLIC PHOSPHODIESTERASE
SEE NUCLEASES, CYCLIC NUCLEOTIDE PHOSPHODIESTERASE

CYCLICS (CYCLIC COMPOUNDS) GENERAL
R01DE-05476-05 Novel peptide derived sweeteners

CYCLICS, CARBOPOLYCYCLICS
SEE ALSO STEROIDS
R01DE-04814-06 Clinical evaluation of PNF permanent soft denture liners

CYCLICS, CARBOPOLYCYCLICS, BENZANTHRACENES
** R01DE-07713-04 Low-dose x-radiation effects on DMBA-DNA interactions

CYCLOHEPTANES, AMITRIPTYLINE
R01DE-05369-07 Factors affecting dental postoperative pain (human)

CYCLOHEXANE SULFAMIC ACID
SEE FOOD, SWEETENING AGENTS

CYCLOOXYGENASE
SEE OXIDOREDUCTASES, PROSTAGLANDIN SYNTHASE

CYCLOPHOSPHAMIDE
SEE HALOALKYLAMINES, CYCLOPHOSPHAMIDE

CYCLOSPORIN A
SEE ANTIBIOTICS, CYCLOSPORIN A

CYCLOSPORINE
SEE ANTIBIOTICS, CYCLOSPORIN A

CYSTIC FIBROSIS
SEE METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS

CYTOCHEMISTRY
SEE HISTOCHEMISTRY AND CYTOCHEMISTRY (GENERAL)*

CYTOGENETICS
SEE GENETICS, CYTOGENETICS

CYTOLYSIS
SEE CELL DESTRUCTION, CYTOLYSIS

CYTOMATRIX
SEE CELL COMPONENTS, CYTOPLASM

CYTOMEGALOVIRUSES
SEE VIRUSES, HERPESVIRIDAE, BETAHERPESVIRINAE

CYTOPATHOGENIC EFFECT BACTERIAL
SEE BACTERIAL DISEASES, CYTOPATHOGENIC EFFECT BACTERIAL

CYTOPLASM
SEE CELL COMPONENTS, CYTOPLASM

CYTOPLASMIC GRANULES
SEE CELL COMPONENTS, CYTOPLASMIC GRANULES

CYTOPLASMIC GROUND SUBSTANCE (MATRIX)
SEE CELL COMPONENTS, CYTOPLASM

CYTOSINE
SEE PYRIMIDINES, CYTOSINE

CYTOSKELETON
SEE CELL COMPONENTS, CYTOSKELETON

CYTOSOL
SEE CELL COMPONENTS, CYTOPLASM

CYTOTOXICITY
SEE TOXICOLOGY, CYTOTOXICITY

CYTOTOXICITY, LEUKOCYTE MEDIATED
SEE IMMUNITY, CELLULAR, CELL-MEDIATED IMMUNE RESPONSES

CYTOXAN
SEE HALOALKYLAMINES, CYCLOPHOSPHAMIDE

D GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

DANLOS SYNDROME
SEE METABOLIC DISORDERS INBORN, EHLERS-DANLOS SYNDROME

DARK REPAIR
SEE NUCLEIC ACIDS REPAIR

DATA BANKS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

DATA MANAGEMENT SYSTEMS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

DATA MONITORING AND REPORTING SYSTEMS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

DATA RETRIEVAL
SEE INFORMATION SYSTEMS, INFORMATION RETRIEVAL

DECALCIFICATION PATHOLOGIC
SEE CALCIUM (MINERAL) IMBALANCES, DECALCIFICATION PATHOLOGIC

DECALCIFICATION PHYSIOLOGIC
SEE CALCIUM (MINERAL) BALANCE, DECALCIFICATION PHYSIOLOGIC

DECISION MAKING
SEE PSYCHOLOGY, COGNITION, DECISION MAKING

DECISION MAKING, COMPUTER ASSISTED MEDICAL DECISION MAKING
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED MEDICAL DECISION MAKING

DECISION MAKING, HEALTH CARE EVALUATION
SEE HEALTH CARE (SERVICES) (RESOURCES) ANALYSIS AND EVALUATION

DEFLUORIDATION
SEE HALOGENATION, FLUORIDATION-DEFLUORIDATION

DEGENERATIVE JOINT DISEASE
SEE SKELETAL DISORDERS, ARTHRITIS, OSTEOARTHRITIS

DEGLUTITION
SEE GASTROINTESTINAL FUNCTION, DEGLUTITION

DEHYDRASES
SEE OXIDOREDUCTASES, DEHYDROGENASES

DEHYDRATASES, CARBONIC ANHYDRASE
R01DE-04345-10 Cell biology of osteoclasts (chickens)
R01DE-07431-08 Ultrastructual studies of mineralized tissue (chicks, rats)

DEHYDRATASES, D-2-PHOSPHOGLYCERATE HYDROLYASE
R01DE-03917-10 Fluoride and the metabolism of plaque bacteria

DEHYDRATION
SEE CHEMICAL REACTIONS, HYDRATION-DEHYDRATION

7-DEHYDROCHOLESTEROL (ACTIVATED)
SEE VITAMINS, VITAMIN D, CHOLECALCIFEROL

DEHYDROGENASES
SEE OXIDOREDUCTASES, DEHYDROGENASES

DELAYED ACTION PREPARATIONS
SEE DOSAGE FORMS

DEMETHYLATION
SEE ALKYL (GROUPS), METHYLATION-DEMETHYLATION

DEMOGRAPHY
SEE POPULATION STUDIES HUMAN

DENDRITES
SEE NERVOUS SYSTEM, NEURONS, DENDRITES

DENERVATION
SEE NEUROSURGERY, DENERVATION (GENERAL)

DENSITOMETRY
SEE PHYSICAL PROPERTIES, DENSITOMETRY*

DENSITY (SPECIFIC GRAVITY)
SEE PHYSICAL PROPERTIES, DENSITY (SPECIFIC GRAVITY)

DENSITY, BONE
SEE SKELETAL SYSTEM, BONE DENSITY

DENSITY, OPTICAL
SEE PHYSICAL PROPERTIES, DENSITOMETRY*

DENTAL ABSCESS
R01DE-06880-02 Host defense mechanism to oral bacteria (mice, rabbits, human)

DENTAL ADHESIVES
SEE DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS

DENTAL AGENTS
SEE ALSO DENTAL CARIES INHIBITORS
SEE ALSO DENTIFRICES
** R43DE-07261-01 Dimethylsuberimidate as a pulpotomy agent (rats)

DENTAL ALVEOLUS
SEE DENTAL STRUCTURE, DENTAL ALVEOLUS

DENTAL ANESTHESIA
SEE SENSORY DEPRESSION, ANESTHESIA DENTAL

DENTAL ASSISTANTS
SEE DENTAL PERSONNEL, DENTAL ASSISTANTS

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DENTAL CALCULUS
SEE DENTAL DEPOSITS

DENTAL CARIES
SEE ALSO DENTAL FILLINGS
SEE ALSO VACCINES, BACTERIAL, ANTI-CARIES VACCINE

** R01DE-01554-24 Host factors in caries resistance (human, bacteria)
M P50DE-02670-19 Institute of dental research
** P50DE-02670-19 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
P50DE-02670-19 0018 Institute of dental research - Immune response to Streptococcus mutans
** P50DE-02670-19 0020 Institute of dental research - Effects of trace elements on tooth development and caries
** P50DE-02670-19 0040 Institute of dental research - Streptococcus mutans strains common to mother and child (mammals)
P50DE-02731-19 0019 Development support for dental research institute - Molecular biology laboratory
** P50DE-02731-19 0037 Development support for dental research institute - Surface science laboratory
P01DE-02847-17 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
** P01DE-02847-17 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
R01DE-03180-15 Microbiologic studies of the human oral streptococci (also rabbits)
** R01DE-03187-14 Transport in enamel and solubility of enamel (human)
R01DE-03223-15 Kinetics of mineralization of teeth (human)
** R01DE-03258-14 Cloning of streptococcus mutans genes (human, rabbits)
** R01DE-03487-14 Inhibition of human cariogenic streptococci
R01DE-03731-10 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03739-13 Glycosyltransferases from oral bacteria
** R01DE-03758-11 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
** R01DE-03915-12 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
** R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)
R01DE-04224-11 Studies on the genetics of oral microflora (rats)
** R01DE-04385-10 Mechanism of dental caries
R01DE-04387-09 Effect of fluoride on cAMP and glucose metabolism (rats)
R01DE-04529-09 Replacement therapy of dental caries (rats)
R01DE-04614-09 Adherence of oral streptococci to hydroxyapatite
R01DE-04705-06 Reactions of titanium fluoride with hydroxapatite
** R01DE-04971-07 Salivary mucins and dental diseses (human)
R01DE-05020-07 Crystal chemistry of calcium phosphates (human, rats)
** R01DE-05253-06 Measurements of enamel permeability as related to caries (human)
** R01DE-05354-08 Prevention of dental caries
R01DE-05476-05 Novel peptide derived sweeteners
R01DE-05606-05 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
R01DE-05628-06 Interaction between fluoride and other dietary minerals (rats)
R01DE-05666-05 Biochemistry of salivary lipids (rats, human)
R01DE-05966-04 Mechanisms of sugar transport in streptococcus mutans
R01DE-06031-03 Population genetics of the Streptoccus mutans complex (human)
** R01DE-06039-03 Properties of lipoteichoic acids from cariogenic bacteria
** R01DE-06051-04 Membranes of the dental pathogen Streptococcus mutans (rabbits)
R01DE-06071-02 Calcium metabolism in Streptococcus mutans
** R01DE-06082-03 Genetic analysis of streptococcus mutans cariogenicity
R01DE-06112-05 Filled sealant as a conservative restorative material (human)
R01DE-06395-03 Molecular basis of the ecology of oral streptococci
** R01DE-06402-03 Root caries--An in vitro model system
R01DE-06424-01 Development of oral tissues after early undernutrition (human)
** R01DE-06437-03 Incidence and prevalence of root caries in the elderly (human)
R01DE-06552-04 Hydroxyapatite remineralization--The role of fluoride
** R01DE-06557-02 Effects of barium on human enamel and dental caries (rats)
** R01DE-06564-04 Remineralization of enamel caries in vitro (human)
R01DE-06569-04 Quantitation of enamel demineralization mechanisms
R01DE-06644-03 Physiology of oral bacteria--Sugar, PH and F relations
R01DE-06669-03 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
** R01DE-06738-02 Fluoride effect on human tooth root caries (rats)
** R01DE-06740-02 Human antibody responsiveness and dental caries
** R01DE-06746-02 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
** R01DE-06761-02 Prevention of surface zone limited caries of enamel
R03DE-06814-02 Transposon mutagenesis of the oral streptococci
** R23DE-06829-03 Acid-etching and remineralization of enamel caries in vitro
R01DE-06913-03 Modulating role of prostaglandins in salivary glands (rats)
** R01DE-06951-02 Study of F actions on human root surface caries
R01DE-06954-01 Structural studies of matrix proteins in teeth and bone
** R01DE-06962-02 Surface protein antigens of cariogenic streptococci
M P50DE-07003-02 Rochester caries research center
P50DE-07003-02 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
** P50DE-07003-02 0003 Rochester caries research center - Genetics of Streptococcus mutans
** P50DE-07003-02 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
** P50DE-07003-02 0006 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
P50DE-07003-02 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)
** P50DE-07003-02 0008 Rochester caries research center - Identifying caries susceptible subjects
M P50DE-07009-02 Specialized caries research centers
** P50DE-07009-02 0001 Specialized caries research centers - Clinical studies of root caries (human)
** P50DE-07009-02 0002 Specialized caries research centers - Microbial etiology of root surface caries (human, rats)
** P50DE-07009-02 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
** P50DE-07009-02 0004 Specialized caries research centers - Immunological aspects of root caries (human)
** P50DE 07009-02 0005 Specialized caries research centers - Physical, chemical and microbiological aspects of root caries formation (human)
** P50DE-07009-02 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)
M P50DE-07010-02 Specialized caries research center
P50DE-07010-02 0002 Specialized caries research center - Influence of plaque pH on mineralization
** P50DE-07010-02 0004 Specialized caries research center - Carbohydrates in root caries
** P50DE-07010-02 0005 Specialized caries research center - Immunological investigation of root surface caries
P50DE-07010-02 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents
** P50DE-07010-02 0007 Specialized caries research center - Bacterial interrelationships in an animal model (rats)
** R01DE-07030-01 Epidemiology, prevention and treatment of root caries (humans)
** R23DE-07077-01 Cell surface regulation in a cariogenic streptococci
R13DE-07080-01 Gordon research conference on calcium phosphates, 1985
** R03DE-07124-01 Prevalence of 1 and 2 coronal caries in adults (human)
R03DE-07130-01 Epidemiology of oral disease in Hispanic Americans
R01DE-07199-01 Adherence factors of oral streptococci (human)
R01DE-07223-01 Magnesium and calcium phosphate formation and stability (humans, fish)
** R01DE-07257-02 IgA protease and dental caries
R03DE-07299-01 Ultramicro analysis of plaque samples from single sites
** R23DE-07328-01 A quantitative study of lesion formation in animal models (also human)
** R01DE-07375-01 Dietary factors and root caries in animals (hamsters)
R01DE-07381-01 Prevalence of xerostomia--Relation to selected variables (human)
R23DE-07388-01 Glucan-mediated intraoral demineralization by S mutans (human)
** R03DE-07405-01 Model for root caries following alveolar bone loss
** R03DE-07426-01 Calcium, fluoride and hydrogen ions in caries (human)
** R13DE-07614-01 Consensus conference--Methods for cariogenic potential of food
** N01DE-22438-08 Relationship of dietary intake to caries incidence (human)
** N01DE-32400-06 NaF mouthrinsing for caries prevention
N01DE-42552-02 Prevent maternal transmission of streptococcus mutans (humans)
N01DE-42553-04 Epidemiologic survey of oral health in adults

DENTAL CARIES INHIBITORS
SEE ALSO DENTAL DISORDERS CHEMOTHERAPY, FLUORIDE INGESTED
SEE ALSO DENTAL DISORDERS CHEMOTHERAPY, FLUORIDE TREATMENTS (TOPICAL)
SEE ALSO VACCINES, BACTERIAL, ANTI-CARIES VACCINE

P01DE-01850-22 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
R01DE-01912-22 Tooth enamel apatite at the atomic level (human)
** P50DE-02670-19 0036 Institute of dental research - Dental caries preventive measures (rats)
R01DE-03187-14 Transport in enamel and solubility of enamel (human)
R01DE-03223-15 Kinetics of mineralization of teeth (human)
** R01DE-03246-16 Biochemical mechanisms relevant to dentistry
R01DE-03258-14 Cloning of streptococcus mutans genes (human, rabbits)
** R01DE-03487-14 Inhibition of human cariogenic streptococci
R01DE-03758-11 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
R01DE-03917-10 Fluoride and the metabolism of plaque bacteria
R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)
** R01DE-04217-11 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-04235-09 Peroxidase in saliva and prevention of oral disease (human, S mutants)
** R01DE-04486-08 Kinetics and mechanisms of action of fluorides (human)
** R01DE-04529-09 Replacement therapy of dental caries (rats)
R01DE-04733-08 Secretory immune response and S mutans glucosyltransferase (mammals)
R01DE-05067-07 Interaction of topical fluoride with human enamel (rats, hamsters)
** R01DE-05354-08 Prevention of dental caries
** R01DE-06105-03 Using fluoride-chlorhexidine to prevent radiation caries (human)
R01DE-06402-03 Root caries--An in vitro model system
R01DE-06427-04 Permeability characteristics of dentin (dogs, human)
R01DE-06738-02 Fluoride effect on human tooth root caries (rats)
** R01DE-06951-02 Study of F actions on human root surface caries
** P50DE-07003-02 0004 Rochester caries research center - Salivary pellicle and dental caries (human)
P50DE-07003-02 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
** P50DE-07010-02 0001 Specialized caries research center - Prevention of caries in overdenture abutments (humans)
R01DE-07030-01 Epidemiology, prevention and treatment of root caries (humans)
R23DE-07077-01 Cell surface regulation in a cariogenic streptococci
R03DE-07308-01 Co2 lasers in preventative dentistry - safety parameters (dogs)
** R23DE-07318-01 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
R23DE-07328-01 A quantitative study of lesion formation in animal models (also human)
N01DE-22439-05 Cost of combined sealant and self-applied fluoride program
** N01DE-32441-06 Effect of prenatal fluoride in preventing dental caries (human)

DENTAL CARIES INHIBITORS, SLOW RELEASE
** R01DE-04749-06 F-releasing and acid barrier-polymer caries therapies
** N01DE-32444-02 Pharmacology of intraoral fluoride-releasing device
** N01DE-52555-00 Methods for the intraoral fluoride-releasing device

DENTAL CARIES VACCINE
SEE VACCINES, BACTERIAL, ANTI-CARIES VACCINE

DENTAL DEPOSITS
R01DE-01554-24 Host factors in caries resistance (human, bacteria)
P50DE-02600-19 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
R01DE-03223-15 Kinetics of mineralization of teeth (human)
R01DE-05666-05 Biochemistry of salivary lipids (rats, human)
** R01DE-05672-03 Anionic salivary proteins in dental integuments (Macaca facicularis)
R01DE-06250-03 Histologic evaluation of new attachments in humans
R44DE-06779-03 Evaluation of a new automated periodontal probe

DENTAL DEPOSITS, PLAQUE
SEE ALSO MICROBIAL MATTS
R01DE-01554-24 Host factors in caries resistance (human, bacteria)
** P01DE-01850-22 0092 Nutritional sources and metabolic roles of fluoride - Forms of fluoride in plaque (humans, rats)
P50DE-02600-19 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
** P50DE-02623-18 0009 Center for oral health research - Oral microorganisms in periodontal health and disease (human, rats)

(contd).

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

BEST COPY AVAILABLE

P50DE-02623-18 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
P50DE-02670-19 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
** P50DE-02731-19 0021 Development support for dental research institute - Bacteriology laboratory (human)
** P01DE-02847-17 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
** R01DE-03180-15 Microbiologic studies of the human oral streptococci (also rabbits)
R01DE-03223-15 Kinetics of mineralization of teeth (human)
R01DE-03246-16 Biochemical mechanisms relevant to dentistry
R01DE-03258-14 Cloning of streptococcus mutans genes (human, rabbits)
R01DE-03420-13 Immune phenomena in experimental periodontal disease (rats)
R01DE-03487-14 Inhibition of human cariogenic streptococci
** R01DE-03488-14 Microbial composition of developing dental plaque (human, bacteria)
** R01DE-03578-14 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-03731-10 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
R01DE-03915-12 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
** R01DE-03917-10 Fluoride and the metabolism of plaque bacteria
** R01DE-03995-11 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
** R01DE-04321-11 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-04385-10 Mechanism of dental caries
R01DE-04518-09 Streptococcus sanguis receptors for salivary glycoproteins
R01DE-04614-09 Adherence of oral streptococci to hydroxyapatite
P50DE-04881-09 0002 Clinical research in periodontal disease - Relationship of subgingival microbiota to the etiology of periodontal diseases
** P50DE-04881-09 0004 Clinical research in periodontal disease - Bone destruction in periodontal disease (human)
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
P50DE-04898-09 0002 Periodontal disease research center - Host response in periodontal disease (human)
P50DE-04898-09 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
R01DE-05030-07 Crystal chemistry of calcium phosphates (human, rats)
R01DE-05144-06 Periodontal disease--Role of spirochetes (rabbits)
R01DE-05251-06 Salivary gland secretory mechanisms (rats)
R01DE-05501-04 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
R01DE-05606-05 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
R01DE-05640-05 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05990-02 Periodontitis, leukocyte function and diabetic status (human)
R01DE-05991-05 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
R01DE-06031-03 Population genetics of the Streptococcus mutans complex (human)
R01DE-06085-03 Interaction of oral spirochetes with periodontal tissues (human, rats)
R01DE-06103-03 Evaluation of four modalities of periodontal therapy
R01DE-06127-03 Acid-base physiology of oral streptococci
R01DE-06153-04 Antibody to glucosyltransferase in adults and children
R01DE-06231-03 Monoclonal antibody analysis of plaque microorganisms (mice)
R01DE-06395-03 Molecular basis of the ecology of oral streptococci
** R01DE-06417-02 Factors influencing long-term oral self-care (human)
** R01DE-06555-03 Cell surface interactions of oral plaque bacteria (rabbits)
R01DE-06622-02 Molecular mechanisms of periodontal disease
R01DE-06644-03 Physiology of oral bacteria--Sugar, PH and F relations
R01DE-06656-03 Promoting adherence to a dental regimen
R01DE-06740-02 Human antibody responsiveness and dental caries
R01DE-06913-03 Modulating role of prostaglandins in salivary glands (rats)
** P50DE-07003-02 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
P50DE-07003-02 0006 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
P50DE-07003-02 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)
P50DE-07003-02 0008 Rochester caries research center - Identifying caries susceptible subjects
P50DE-07009-02 0002 Specialized caries research centers - Microbial etiology of root surface caries (human, rats)
P50DE-07009-02 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
** P50DE-07010-02 0002 Specialized caries research center - Influence of plaque pH on mineralization
** P50DE-07010-02 0003 Specialized caries research center - Radiotelemetric evaluation of interproximal plaque pH (human)
P50DE-07010-02 0005 Specialized caries research center - Immunological investigation of root surface caries
** P50DE-07010-02 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents
P50DE-07117-01 0001 Periodontal disease research center - Two monitored patient groups--Clinical component
P50DE-07117-01 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology
P50DE-07117-01 0003 Periodontal disease research center - Two monitored patient groups--Immunology
P50DE-07117-01 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
P50DE-07118-01 0001 Periodontal diseases research center - Clinical studies (children)
P50DE-07118-01 0002 Periodontal diseases research center - Clinical microbiological studies (children)
P50DE-07118-01 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection
** R03DE-07140-01 In vitro interactions of bacteria from periodontitis
R03DE-07169-01 Periodontal disease in sickle cell anemia
R01DE-07223-01 Magnesium and calcium phosphate formation and stability (humans, fish)
** R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R01DE-07257-02 IgA protease and dental caries
R03DE-07275-01 Measurement of polyamines in gingival crevicular fluid (human)
** R03DE-07299-01 Ultramicro analysis of plaque samples from single sites
R03DE-07307-01 University of Mississippi dental care unit--Field testing
R03DE-07311-01 Isolation of antibacterial peptides from human PMNs (rabbits)
** R03DE-07314-01 Genetics of streptococcus sanguis (rats)
R01DE-07381-01 Prevalence of xerostomia--Relation to selected variables (human)
** R23DE-07388-01 Glucan-mediated intraoral demineralization by S mutans (human)
R13DE-07614-01 Consensus conference--Methods for cariogenic potential of food
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)
** N01DE-12433-05 Phase contrast evaluation of subgingival plaque
N01DE-32444-02 Pharmacology of intraoral fluoride-releasing device
N01DE-52556-00 Effect of brushing with fluoride gel on gingivitis

DENTAL DEPOSITS REMOVAL

R01DE-05563-05 The blade implant--Clinical efficacy and safety (human)
** R01DE-06417-02 Factors influencing long-term oral self-care (human)
R23DE-06522-03 Schooling and work setting--Effects on dental hygienists

DENTAL DEVELOPMENT

SEE ALSO CONGENITAL ABNORMALITIES, DENTITION
SEE ALSO DENTAL STRUCTURE, AMELOBLASTS
SEE ALSO DENTAL STRUCTURE, ENAMEL ORGAN
SEE ALSO DENTAL STRUCTURE, ODONTOBLASTS
P50DE-02600-19 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
** P50DE-02623-18 0036 Center for oral health research - Enamel proteins and their genes
** P50DE-02668-19 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
** P50DE-02670-19 0020 Institute of dental research - Effects of trace elements on tooth development and caries
P50DE-02670-19 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)
** R01DE-02774-17 Tissue interaction in palatal shelf closure (mice)
M P01DE-02848-15 Biology of connective tissue, bones, and teeth
P01DE-02848-15 0007 Biology of connective tissue, bones, and teeth - Extracellular matrix and epithelial gene expression (animals)
** R01DE-03223-15 Kinetics of mineralization of teeth (human)
P01DE-03610-19 0016 Craniofacial growth and development - Craniofacial growth from change (human)
P01DE-03610-19 0018 Craniofacial growth and development - Growth function, and adaptation of the masticatory complex (humans, monkeys)
R01DE-04387-09 Effect of fluoride on cAMP and glucose metabolism (rats)
** R01DE-04970-07 Nuclear composition and organization for odontogenesis (rats)
R01DE-05159-07 Distribution and ultrastructure of dental innervation (rats, primates, dogs)
** R01DE-05210-06 Acid phosphatases in developing bones and teeth (rabbits, rats)
** R01DE-05289-07 Uptake and binding by early enamel matrix (rats)
** R01DE-05323-04 Calcium ion interactions in developing dental tissues (rats)
R01DE-05354-08 Prevention of dental caries
R01DE-05396-05 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-05410-06 Orthodontic treatment effects on craniofacial growth (human)
R01DE-05628-06 Interaction between fluoride and other dietary minerals (rats)
** R01DE-05769-07 Ultrastructure of tooth development (rats)
** R01DE-05937-05 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
** R01DE-05996-04 Alveolar bone metabolism during tooth eruption (dogs)
R01DE-06113-05 Determinants of fluoride in the oral environment (dogs, rats)
** R01DE-06424-01 Development of oral tissues after early undernutrition (human)
** R01DE-06952-02 Enamel secretory matrix protease (catte, rats)
R01DE-06955-02 Epidermal growth factor and tooth development (mice)
** R01DE-06988-01 Determination and expression of amelogenin gene products (mice)
R03DE-07156-01 Regulation of dental innervation by trophic factors
R43DE-07261-01 Dimethylsuberimidate as a pulpotomy agent (rats)
R01DE-07332-01 Analysis of utility of implants in craniofacial research
** R23DE-07384-01 Effects of chronic high fluoride on enamel development (rats)
** R01DE-07594-01 Enamel proteins
R01DE-07690-01 Growth and development of the human head
N01DE-42552-02 Prevent maternal transmission of streptococcus mutans (humans)

DENTAL DEVELOPMENT, DENTINOGENESIS

P50DE-02668-19 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
** P01DE-02848-15 0010 Biology of connective tissue, bones, and teeth - Enamel gene expression during vertebrate tooth development (animals)
** R01DE-05092-07 Proteins involved in dentinogenesis
P50DE-05139-08 0003 Clinical research center for periodontal disease - Human genetics section
** R01DE-06425-02 Nutritional studies of tooth development in vitro (mice, rats)
** R01DE-06585-03 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
** R01DE-06852-02 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
R01DE-06854-02 Steroid hormone receptors in developing teeth (rats)
** R23DE-07075-01 Tissue interactions in root development (mice)
** R03DE-07148-01 Effect of epidermal growth factor on tooth development (mice)
** R03DE-07418-01 Dentinogenesis imperfecta--Chromosome mapping

DENTAL DISCOLORATION

** R01DE-04136-11 Maxillofacial materials--Color study (human)
R01DE-06105-03 Using fluoride-chlorhexidine to prevent radiation caries (human)
R23DE-07384-01 Effects of chronic high fluoride on enamel development (rats)
R03DE-07418-01 Dentinogenesis imperfecta--Chromosome mapping

DENTAL DISCOLORATION, DENTAL MOTTLING

SEE ALSO HALOGEN POISONING, FLUOROSIS
R01DE-04814-06 Clinical evaluation of PNF permanent soft denture liners
** R01DE-06418-03 Laboratory and clinical studies of dental fluorosis
R01DE-06557-02 Effects of barium on human enamel and dental caries (rats)
R01DE-06996-01 Biological molecules in the corrosion of dental alloys
N01DE-52556-00 Effect of brushing with fluoride gel on gingivitis

DENTAL DISORDERS

SEE ALSO CONGENITAL ABNORMALITIES, DENTITION
SEE ALSO DENTAL ABSCESS
SEE ALSO DENTAL PULP DISORDERS
SEE ALSO ORAL-PHARYNGEAL DISORDERS (GENERAL)
** P50DE-02600-19 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
M P01DE-02847-17 Microbial ecology and its relation to dental disease
P01DE-02847-17 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
** R01DE-05497-04 Dental disease and work loss (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects. See Appendix for investigator's name and Grant Number.

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R01DE-06424-01 Development of oral tissues after early undernutrition (human)
R03DE-07024-02 Oral signs and symptoms in bulimic patients
** R01DE-07186-01 Validation of an index to score dental aesthetics (human)
R03DE-07314-01 Genetics of streptococcus sanguis (rats)
R01DE-07344-01 Black-pigmented bacteroides--Drug resistance and virulence
** R03DE-07418-01 Dentinogenesis imperfecta--Chromosome mapping
** N01DE-42553-04 Epidemiologic survey of oral health in adults

DENTAL DISORDERS, GINGIVAL

P50DE-02600-19 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
** R01DE-04068-11 Statistical methods in dental research
P50DE-04881-09 0001 Clinical research in periodontal disease - Diagnosis and treatment of destructive periodontal diseases (human)
P50DE-04881-09 0003 Clinical research in periodontal disease - Host immunologic response to oral microorganisms
R01DE-05563-05 The blade implant--Clinical efficacy and safety (human)
R01DE-05666-05 Biochemistry of salivary lipids (rats, human)
R01DE-05990-02 Periodontitis, leukocyte function and diabetic status (human)
R01DE-05991-05 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
R01DE-06007-03 Periodontal tissue changes during pregnancy-lactation (rats)
R01DE-06103-03 Evaluation of four modalities of periodontal therapy
R01DE-06437-03 Incidence and prevalence of root caries in the elderly (human)
R01DE-06622-02 Molecular mechanisms of periodontal disease
R03DE-07169-01 Periodontal disease in sickle cell anemia
** R03DE-07297-01 Mechanism of action of phenytoin (human, rats)
N01DE-42553-04 Epidemiologic survey of oral health in adults

DENTAL DISORDERS, GINGIVAL HYPERPLASIA

** R01DE-06541-03 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)

DENTAL DISORDERS, GINGIVITIS

** P50DE-02731-19 0021 Development support for dental research institute - Bacteriology laboratory (human)
P50DE-02731-19 0035 Development support for dental research institute - Immunology laboratory
R01DE-03995-11 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
P50DE-04881-09 0001 Clinical research in periodontal disease - Diagnosis and treatment of destructive periodontal diseases (human)
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
P50DE-04898-09 0002 Periodontal disease research center - Host response in periodontal disease (human)
R01DE-05054-07 Periodontal disease--Microbiological studies (human)
P50DE-05139-08 0003 Clinical research center for periodontal disease - Human genetics section
R01DE-05144-06 Periodontal disease--Role of spirochetes (rabbits)
R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)
R01DE-05991-05 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
R01DE-06085-03 Interaction of oral spirochetes with periodontal tissues (human, rats)
R01DE-06514-04 Oral diseases and diabetes in the Gila River Indian Community
** R01DE-06551-02 Stress, host factors, and acute necrotizing gingivitis (human)
R01DE-06643-03 Role of IgA and PMNs in defense of periodontal tissues (mice, rabbits, rats)
R01DE-06740-02 Human antibody responsiveness and dental caries
** R23DE-06832-02 Experimental diabetes and periodontitis (monkeys)
R01DE-06953-02 Hydroxyproline levels in periodontal health and disease (dogs)
P50DE-07003-02 0006 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
P50DE-07118-01 0001 Periodontal diseases research center - Clinical studies (children)
R01DE-07128-02 Microbiology of ligature-induced periodontitis (monkeys)
R03DE-07140-01 In vitro interactions of bacteria from periodontitis
R01DE-07381-01 Prevalence of xerostomia--Relation to selected variables (human)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)
** R23DE-07681-01 Cell growth and bone resorption in periodontal disease (rats, cattle)
** N01DE-52556-00 Effect of brushing with fluoride gel on gingivitis
N01DE-52558-00 Clinical studies of periodontal diseases in older adult
N01DE-52559-00 Clinical studies of periodontal diseases in older adults

DENTAL DISORDERS, MALOCCLUSION

SEE ALSO DENTAL OCCLUSION
SEE ALSO DENTISTRY, ORTHODONTICS
** R01DE-03598-10 Dentofacial effects of forces to retract the maxilla (human)
P01DE-03610-19 0016 Craniofacial growth and development - Craniofacial growth from change (human)
P01DE-03610-19 0018 Craniofacial growth and development - Growth function, and adaptation of the masticatory complex (humans, monkeys)
R01DE-05396-05 Craniofacial adaptations after total maxillary osteotomy (monkeys)
R01DE-06300-03 porous polyethylene and porous polysulfone tooth roots (monkeys)
** P23DE-06546-02 Assessment and treatment of mandibular pain-dysfunction (human)
** R43DE-06778-01 Videodisc and computer technology in malocclusion
R03DE-06813-02 Digastric and lateral pterygoid muscle function
R03DE-06819-02 TMJ clicking related to orthodontic therapy
** P01DE-06946-02 0006 Pathophysiology of MPD and other facial pain syndromes - General population survey for TMJ clicking
P01DE-06946-02 0008 Pathophysiology of MPD and other facial pain syndromes - TMJ symptons in pre- and post orthognathic surgery patients
** R01DE-07186-01 Validation of an index to score dental aesthetics (human)

DENTAL DISORDERS, PERIODONTAL

SEE ALSO DENTAL DISORDERS, GINGIVAL
SEE ALSO DENTISTRY, SUBGINGIVAL CURETTAGE
** R01DE-01554-24 Host factors in caries resistance (human, bacteria)
P01DE-01850-22 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
** P50DE-02600-19 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
P50DE-02600-19 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
** P50DE-02600-19 0030 Support for oral biology research center - Leukocyte function--Its role in periodontal disease (human)
** P50DE-02600-19 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
P50DE-02600-19 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
** P50DE-02600-19 0047 Support for oral biology research center - Clinical research on periodontal diseases
** P50DE-02623-18 0009 Center for oral health research - Oral microorganisms in periodontal health and disease (human, rats)
P50DE-02623-18 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
** P50DE-02623-18 0034 Center for oral health research - Bacterial components inducing bone resroption
P50DE-02731-19 0019 Development support for dental research institute - Molecular biology laboratory
** P50DE-02731-19 0021 Development support for dental research institute - Bacteriology laboratory (human)
** P50DE-02731-19 0033 Development support for dental research institute - Epidemiology laboratory (human)
** P50DE-02731-19 0035 Development support for dental research institute - Immunology laboratory
** P01DE-02847-17 0023 Microbial ecology and its relation to dental disease - Microbiota associated with periodontal diseases (human, rats, hamsters)
R01DE-03180-15 Microbiologic studies of the human oral streptococci (also rabbits)
** R01DE-03301-15 Connective tissues of the periodontium (human, dog)
** R01DE-03420-13 Immune phenomena in experimental periodontal disease (rats)
** R01DE-03488-14 Microbial composition of developing dental plaque (human, bacteria)
R01DE-03738-13 Humoral and cellular mediators of inflammation (human, mammals)
R01DE-03915-12 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
** R01DE-03987-11 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
** R01DE-03995-11 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
** R01DE-04068-11 Statistical methods in dental research
R01DE-04529-09 Replacement therapy of dental caries (rats)
R01DE-04614-09 Adherence of oral streptococci to hydroxyapatite
** R01DE-04724-07 Cellular events in bone remodeling (rats, mice, chickens)
M P50DE-04881-09 Clinical research in periodontal disease
** P50DE-04881-09 0001 Clinical research in periodontal disease - Diagnosis and treatment of destructive periodontal diseases (human)
** P50DE-04881-09 0002 Clinical research in periodontal disease - Relationship of subgingival microbiota to the etiology of periodontal diseases
** P50DE-04881-09 0003 Clinical research in periodontal disease - Host immunologic response to oral microorganisms
** P50DE-04881-09 0004 Clinical research in periodontal disease - Bone destruction in periodontal disease (human)
M P50DE-04898-09 Periodontal disease research center
** P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
** P50DE-04898-09 0002 Periodontal disease research center - Host response in periodontal disease (human)
** P50DE-04898-09 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
** R01DE-04971-07 Salivary mucins and dental diseses (human)
** R01DE-05054-07 Periodontal disease--Microbiological studies (human)
M P50DE-05139-08 Clinical research center for periodontal disease
** P50DE-05139-08 0001 Clinical research center for periodontal disease - Microbiology (human)
** P50DE-05139-08 0002 Clinical research center for periodontal disease - Immunological investigations (human)
** P50DE-05139-08 0003 Clinical research center for periodontal disease - Human genetics section
** R01DE-05144-06 Periodontal disease--Role of spirochetes (rabbits)
** R01DE-05334-05 Periodontal therapy by controlled local drug delivery (human)
** R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)
** R01DE-05494-06 Activation of macrophages in periodontal disease (mice)
** R01DE-05497-04 Dental disease and work loss (human)
R01DE-05606-05 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
** R01DE-05626-05 Role of complement in periodontal disease
** R01DE-05640-05 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05666-05 Biochemistry of salivary lipids (rats, human)
** R01DE-05817-05 Cellular mechanisms of collagen breakdown (human, animals)
** R01DE-05991-05 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
** R01DE-06030-04 Metronidazole therapy in periodontal disease (human)
R01DE-06065-05 The role of lymphoid cells in alveolar bone resorption (rats)
** R23DE-06066-03 Orally induced suppression in periodontal disease (rabbits, rats)
** R01DE-06103-03 Evaluation of four modalities of periodontal therapy
R01DE-06175-03 Beta-lactamases produced by periodontal bacteria
R01DE-06250-03 Histologic evaluation of new attachments in humans
R01DE-06300-03 porous polyethylene and porous polysulfone tooth roots (monkeys)
R01DE-06395-03 Molecular basis of the ecology of oral streptococci
** R01DE-06417-02 Factors influencing long-term oral self-care (human)
** R01DE-06436-04 Periodontosis--Characterization of the neutrophil defect (human)
** R01DE-06514-04 Oral diseases and diabetes in the Gila River Indian Community
** R01DE-06516-03 Oral infection in myelosuppressed cancer patients
** R01DE-06521-02 Behavioral response enhancement after periodontal surgery (human)
R01DE-06555-03 Cell surface interactions of oral plaque bacteria (rabbits)
** R01DE-06622-02 Molecular mechanisms of periodontal disease
** R01DE-06624-03 OAF synthesis in periodontal disease (human)
R23DE-06640-03 Neutrophil defects induced by oral bacterial products
R01DE-06656-03 Promoting adherence to a dental regimen
R23DE-06757-02 Myeloperoxidase selective killing of oral bacteria (rabbits)
R23DE-06766-02 Surgical regeneration of the periodontium (dogs)
** R44DE-06779-03 Evaluation of a new automated periodontal probe
R03DE-06814-02 Transposon mutagenesis of the oral streptococci
** R01DE-06860-02 Complement monocyte interactions in periodontal disease
R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
** R01DE-06880-02 Host defense mechanism to oral bacteria (mice, rabbits, human)
** R44DE-06932-02 A periodontal temperature probe (human)
** R01DE-06953-02 Hydroxyproline levels in periodontal health and disease (dogs)
** R01DE-06989-01 Neutrophil function in periodontal disease (human)
** R03DE-07051-01 HPLC analysis of purine nucleosides in crevicular fluid
R01DE-07086-01 Development of artificial oral mucosa (rabbits)
M P50DE-07117-01 Periodontal disease research center

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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P50DE-07117-01 0001 Periodontal disease research center - Two monitored patient groups--Clinical component
P50DE-07117-01 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology
** P50DE-07117-01 0003 Periodontal disease research center - Two monitored patient groups--Immunology
P50DE-07117-01 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
R03DE-07130-01 Epidemiology of oral disease in Hispanic Americans
** R03DE-07169-01 Periodontal disease in sickle cell anemia
** R23DE-07208-01 LPS-monocyte interactions in periodontal disease (guinea pigs)
** R13DE-07230-01 Third Gordon research conference on periodontal diseases
R01DE-07257-02 IgA protease and dental caries
** R01DE-07267-02 Periodontopathic bacteria--Chemical-biologic nature (animals)
** R03DE-07274-01 Detecting heterogeneity in juvenile periodontitis (human)
** R03DE-07275-01 Measurement of polyamines in gingival crevicular fluid (human)
** R03DE-07278-01 Laminin and immune intervention in periodontal disease
R03DE-07311-01 Isolation of antibacterial peptides from human PMNs (rabbits)
** R03DE-07313-01 Ligand receptor interactions of actinomyces viscosus (human, rabbit)
** R01DE-07376-01 Biochemical profile for gingival crevicular fluid
R01DE-07378-01 Human osteoclast-activating factor (mice, rats)
R01DE-07381-01 Prevalence of xerostomia--Relation to selected variables (human)
** R43DE-07395-01 Improved X rays for the diagnosis of periodontal disease
** R03DE-07433-01 Periodontosis--A defect in PMN actin polymerization (human)
** R03DE-07436-01 Intracellular degradation of extracellular collagen (human)
N01DE-42500-05 Microbiological information system
N01DE-42553-04 Epidemiologic survey of oral health in adults
N01DE-52556-00 Effect of brushing with fluoride gel on gingivitis
** N01DE-52558-00 Clinical studies of periodontal diseases in older adult
** N01DE-52559-00 Clinical studies of periodontal diseases in older adults

DENTAL DISORDERS, PERIODONTITIS

** P50DE-02600-19 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
P50DE-02600-19 0030 Support for oral biology research center - Leukocyte function--Its role in periodontal disease (human)
** P50DE-02600-19 0035 Support for oral biology research center - Serotyping of microbes for diagnosis of periodontitis (rabbits)
** P50DE-02600-19 0037 Support for oral biology research center - Periodontal microflora (human)
** P50DE-02600-19 0038 Support for oral biology research center - Connective tissue alterations in periodontal disease
P50DE-02600-19 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
P50DE-02731-19 0035 Development support for dental research institute - Immunology laboratory
** R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
P50DE-04898-09 0002 Periodontal disease research center - Host response in periodontal disease (human)
P50DE-04898-09 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
R01DE-05054-07 Periodontal disease--Microbiological studies (human)
** P50DE-05139-08 0001 Clinical research center for periodontal disease - Microbiology (human)
P50DE-05139-08 0002 Clinical research center for periodontal disease - Immunological investigations (human)
P50DE-05139-08 0003 Clinical research center for periodontal disease - Human genetics section
R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)
** R01DE-05640-05 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
** R01DE-05990-02 Periodontitis, leukocyte function and diabetic status (human)
R01DE-05991-05 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
** R01DE-06007-03 Periodontal tissue changes during pregnancy-lactation (rats)
** R01DE-06014-04 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
** R01DE-06085-03 Interaction of oral spirochetes with periodontal tissues (human, rats)
R01DE-06175-03 Beta-lactamases produced by periodontal bacteria
** R01DE-06231-03 Monoclonal antibody analysis of plaque microorganisms (mice)
** R01DE-06437-03 Incidence and prevalence of root caries in the elderly (human)
R01DE-06514-04 Oral diseases and diabetes in the Gila River Indian Community
R01DE-06645-03 Genetic regulation of B cell replication and function (mice)
** R23DE-06832-02 Experimental diabetes and periodontitis (monkeys)
M P50DE-07118-01 Periodontal diseases research center
** P50DE-07118-01 0001 Periodontal diseases research center - Clinical studies (children)
** P50DE-07118-01 0002 Periodontal diseases research center - Clinical microbiological studies (children)
** P50DE-07118-01 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
** P50DE-07118-01 0004 Periodontal diseases research center - PMN functional studies (children)
** P50DE-07118-01 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
** P50DE-07118-01 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection
** P50DE-07118-01 9001 Periodontal diseases research center - Core--Data processing and statistics
** R01DE-07128-02 Microbiology of ligature-induced periodontitis (monkeys)
** R03DE-07140-01 In vitro interactions of bacteria from periodontitis
** R01DE-07204-01 Family studies of early onset periodontitis (human)
R23DE-07225-01 Influence of mast cells on bone remodelling (mice)
R23DE-07256-02 Attachment protein interaction with periodontal bacteria (mice)
** R03DE-07279-01 Dental diseases and a gene map of human chromosome 4
R01DE-07344-01 Black-pigmented bacteroides--Drug resistance and virulence
** R03DE-07424-01 Bacterial invasion of a basement membrane - like matrix in vitro
** R43DE-07528-01 Immuno-diagnostic probe for periodontitis
** R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)
** R23DE-07681-01 Cell growth and bone resorption in periodontal disease (rats, cattle)
** N01DE-12433-05 Phase contrast evaluation of subgingival plaque
N01DE-52558-00 Clinical studies of periodontal diseases in older adult
N01DE-52559-00 Clinical studies of periodontal diseases in older adults

DENTAL DISORDERS, TOOTH LOSS

SEE ALSO DENTAL EXTRACTION
P50DE-02600-19 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
** R01DE-06437-03 Incidence and prevalence of root caries in the elderly (human)
R01DE-06622-02 Molecular mechanisms of periodontal disease
R03DE-07130-01 Epidemiology of oral disease in Hispanic Americans

DENTAL DISORDERS, TOOTH RESORPTION

SEE ALSO CALCIFICATION ENHANCING AGENTS
R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
R01DE-05996-04 Alveolar bone metabolism during tooth eruption (dogs)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)
** R23DE-07681-01 Cell growth and bone resorption in periodontal disease (rats, cattle)

DENTAL DISORDERS CHEMOTHERAPY

SEE ALSO CALCIFICATION ENHANCING AGENTS
SEE ALSO CONSUMER PRODUCTS, MOUTHWASHES
P50DE-02600-19 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
P50DE-02731-19 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
** R01DE-03246-16 Biochemical mechanisms relevant to dentistry
P50DE-04881-09 0002 Clinical research in periodontal disease - Relationship of subgingival microbiota to the etiology of periodontal diseases
P50DE-04881-09 0004 Clinical research in periodontal disease - Bone destruction in periodontal disease (human)
M P50DE-04898-09 Periodontal disease research center
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
** P50DE-04898-09 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
P01DE-05130-06 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
** R01DE-05334-05 Periodontal therapy by controlled local drug delivery (human)
** R01DE-06030-04 Metronidazole therapy in periodontal disease (human)
** R01DE-06112-05 Filled sealant as a conservative restorative material (human)
** R01DE-06175-03 Beta-lactamases produced by periodontal bacteria
R01DE-06427-04 Permeability characteristics of dentin (dogs, human)
R01DE-06437-03 Incidence and prevalence of root caries in the elderly (human)
R01DE-06514-04 Oral diseases and diabetes in the Gila River Indian Community
** P50DE-07010-02 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents
P50DE-07117-01 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology
** R43DE-07261-01 Dimethylsuberimidate as a pulpotomy agent (rats)
R01DE-07381-01 Prevalence of xerostomia--Relation to selected variables (human)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

DENTAL DISORDERS CHEMOTHERAPY, FLUORIDE INGESTED

M P01DE-01850-22 Nutritional sources and metabolic roles of fluoride
P01DE-01850-22 0071 Nutritional sources and metabolic roles of fluoride - Daily dietary fluoride intake of children and young adults
P01DE-01850-22 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
** P01DE-01850-22 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
P50DE-02670-19 0020 Institute of dental research - Effects of trace elements on tooth development and caries
R01DE-03187-14 Transport in enamel and solubility of enamel (human)
R01DE-03223-15 Kinetics of mineralization of teeth (human)
R01DE-03917-10 Fluoride and the metabolism of plaque bacteria
R01DE-04217-11 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-04387-09 Effect of fluoride on cAMP and glucose metabolism (rats)
R01DE-06113-05 Determinants of fluoride in the oral environment (dogs, rats)
R01DE-06127-03 Acid-base physiology of oral streptococci
R01DE-06418-03 Laboratory and clinical studies of dental fluorosis
R01DE-06424-01 Development of oral tissues after early undernutrition (human)
R13DE-07273-01 Topical fluorides--Optimizing safety and efficacy
R23DE-07384-01 Effects of chronic high fluoride on enamel development (rats)
** N01DE-32441-06 Effect of prenatal fluoride in preventing dental caries (human)
** N01DE-32444-02 Pharmacology of intraoral fluoride-releasing device

DENTAL DISORDERS CHEMOTHERAPY, FLUORIDE TREATMENTS (TOPICAL)

R01DE-01912-22 Tooth enamel apatite at the atomic level (human)
P50DE-02670-19 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
** P50DE-02670-19 0036 Institute of dental research - Dental caries preventive measures (rats)
P50DE-02731-19 0037 Development support for dental research institute - Surface science laboratory
P01DE-02847-17 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)
R01DE-04235-09 Peroxidase in saliva and prevention of oral disease (human, S mutants)
R01DE-04385-10 Mechanism of dental caries
** R01DE-04486-08 Kinetics and mechanisms of action of fluorides (human)
** R01DE-04705-06 Reactions of titanium fluoride with hydroxapatite
** R01DE-04749-06 F-releasing and acid barrier-polymer caries therapies
R01DE-05030-07 Crystal chemistry of calcium phosphates (human, rats)
** R01DE-05067-07 Interaction of topical fluoride with human enamel (rats, hamsters)
R01DE-05253-06 Measurements of enamel permeability as related to caries (human)
** R01DE-05354-08 Prevention of dental caries
** R01DE-06105-03 Using fluoride-chlorhexidine to prevent radiation caries (human)
R01DE-06113-05 Determinants of fluoride in the oral environment (dogs, rats)
R01DE-06127-03 Acid-base physiology of oral streptococci
** R23DE-06208-02 Preventive services adoption in private dental practices
R01DE-06424-01 Development of oral tissues after early undernutrition (human)
R01DE-06427-04 Permeability characteristics of dentin (dogs, human)
R01DE-06437-03 Incidence and prevalence of root caries in the elderly (human)

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number

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** R01DE-06552-04 Hydroxyapatite remineralization--The role of fluoride
R01DE-06569-04 Quantitation of enamel demineralization mechanisms
** R01DE-06738-02 Fluoride effect on human tooth root caries (rats)
R23DE-06829-03 Acid-etching and remineralization of enamel caries in vitro
** R01DE-06951-02 Study of F actions on human root surface caries
** P50DE-07010-02 0001 Specialized caries research center - Prevention of caries in overdenture abutments (humans)
R01DE-07030-01 Epidemology, prevention and treatment of root caries (humans)
** R13DE-07273-01 Topical fluorides--Opimizing safety and efficacy
R23DE-07364-01 Effects of chronic high fluoride on enamel development (rats)
N01DE-12431-06 Clinical trail of a combined MFP-NaF dentifrice
N01DE-22438-08 Relationship of dietary intake to caries incidence (human)
** N01DE-32400-06 NaF mouthrinsing for caries prevention
** N01DE-32444-02 Pharmacology of intraoral fluoride-releasing device
** N01DE-52565-00 Methods for the intraoral fluoride-releasing device

DENTAL DISORDERS DIAGNOSIS (INCL EXAMS)*

SEE ALSO ORAL-PHARYNGEAL DISORDERS DIAGNOSIS (INCL EXAMS)*

** P50DE-02600-19 0035 Support for oral biology research center - Serotyping of microbes for diagnosis of periodontitis (rabbits)
** P50DE-02600-19 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
P50DE-02600-19 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
** P50DE-02731-19 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
P50DE-02731-19 0021 Development support for dental research institute - Bacteriology laboratory (human)
** P50DE-02731-19 0037 Development support for dental research institute - Surface science laboratory
** P01DE-02872-16 0062 Center for craniofacial anomalies - Growth studies
R01DE-03598-10 Dentofacial effects of forces to retract the maxilla (human)
R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
** P50DE-04881-09 0001 Clinical research in periodontal disease - Diagnosis and treatment of destructive periodontal diseases (human)
M P50DE-04898-09 Periodontal disease research center
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
P50DE-04898-09 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
P50DE-05139-08 0002 Clinical research center for periodontal disease - Immunological investigations (human)
P50DE-05139-08 0003 Clinical research center for periodontal disease - Human genetics section
** R01DE-05253-06 Measurements of enamel permeability as related to caries (human)
R01DE-05991-05 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
** R01DE-06231-03 Monoclonal antibody analysis of plaque microorganisms (mice)
** R01DE-06379-03 Dental xeroradiography--Clinical investigaiton
R01DE-06417-02 Factors influencing long-term oral self-care (human)
R01DE-06427-04 Permeability characteristics of dentin (dogs, human)
R01DE-06437-03 Incidence and prevalence of root caries in the elderly (human)
R23DE-06546-02 Assessment and treatment of mandibular pain-dysfunction (human)
** R44DE-06779-03 Evaluation of a new automated periodontal probe
** R23DE-06865-02 Child desensitization for dental visits (human)
** R44DE-06932-02 A periodontal temperature probe (human)
** P50DE-07003-02 0004 Rochester caries research center - Salivary pellicle and dental caries (human)
** P50DE-07003-02 0008 Rochester caries research center - Identifying caries susceptible subjects
P50DE-07010-02 0003 Specialized caries research center - Radiotelemetric evaluation of interproximal plaque pH (human)
R01DE-07030-01 Epidemiology, prevention and treatment of root caries (humans)
R03DE-07051-01 HPLC analysis of purine nucleosides in crevicular fluid
M P50DE-07117-01 Periodontal disease research center
** P50DE-07117-01 0001 Periodontal disease research center - Two monitored patient groups--Clinical component
** P50DE-07117-01 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology
P50DE-07117-01 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
** P50DE-07118-01 0001 Periodontal diseases research center - Clinical studies (children)
** R01DE-07204-01 Family studies of early onset periodontitis (human)
** R03DE-07275-01 Measurement of polyamines in gingival crevicular fluid (human)
R03DE-07290-01 Self-monitoring to improve oral health of depressed aged
R03DE-07307-01 University of Mississippi dental care unit--Field testing
R01DE-07376-01 Biochemical profile for gingival crevicular fluid
** R43DE-07395-01 Improved X rays for the diagnosis of periodontal disease
R03DE-07413-01 Pressure algometer for MPD--Reliability and validity
** R43DE-07528-01 Immuno-diagnostic probe for periodontitis
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)
** N01DE-12433-05 Phase contrast evaluation of subgingival plaque
N01DE-52558-00 Clinical studies of periodontal diseases in older adult
N01DE-52559-00 Clinical studies of periodontal diseases in older adults

DENTAL DYSPLASIA, CONGENITAL

SEE CONGENITAL ABNORMALITIES, DENTITION

DENTAL EDUCATION (HEALTH OCCUPATIONS)

SEE EDUCATION, HEALTH OCCUPATIONS, DENTAL

DENTAL EDUCATION (PREVENTIVE)

SEE EDUCATION, HEALTH EDUCATION, DENTAL

DENTAL EXAMINATIONS

SEE DENTAL DISORDERS DIAGNOSIS (INCL EXAMS)*

DENTAL EXTRACTION

SEE ALSO DENTAL DISORDERS, TOOTH LOSS
R01DE-05369-07 Factors affecting dental postoperative pain (human)

DENTAL FEAR AND ANXIETY

** R01DE-04494-08 Control of stress during dental procedures (human)
** P01DE-05130-06 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
** R01DE-05305-05 Behavioral approaches to pain responses in pedodontics (children)
** R01DE-06219-03 Facial behavior related to acute dental pain (human)
** R01DE-06294-04 Effects of physiological feedback on dental fear (human)
R01DE-06521-02 Behavioral response enhancement after periodontal surgery (human)
** R23DE-06865-02 Child desensitization for dental visits (human)

DENTAL FILLINGS

SEE ALSO DENTAL CARIES
P50DE-02668-19 0191 Regional dental research center - Clinical study of restorative materials
R01DE-05761-06 Improved dental instruments and materials
R01DE-06112-05 Filled sealant as a conservative restorative material (human)

DENTAL FILLINGS, DENTAL INLAYS

R01DE-04749-06 F-releasing and acid barrier-polymer caries therapies
R01DE-05761-06 Improved dental instruments and materials

DENTAL HEALTH (ORAL HEALTH)

SEE ALSO DENTISTRY, PREVENTIVE
SEE ALSO POPULATION SURVEYS, HEALTH SURVEYS, DENTAL
P50DE-02600-19 0034 Support for oral biology research center - Salivary and oral mucosal changes after chemotherapeutic drugs (human)
R01DE-05563-05 The blade implant--Clinical efficacy and safety (human)
R01DE-06031-03 Population genetics of the Streptoccus mutans complex (human)
R01DE-06516-03 Oral infection in myelosuppressed cancer patients
R01DE-06638-02 Complete denture service psychophysiological criteria
** R01DE-06656-03 Promoting adherence to a dental regimen
P50DE-07003-02 0006 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
R03DE-07124-01 Prevalence of 1 and 2 coronal caries in adults (human)
R03DE-07130-01 Epidemiology of oral disease in Hispanic Americans
R01DE-07204-01 Family studies of early onset periodontitis (human)
** R03DE-07290-01 Self-monitoring to improve oral health of depressed aged
** R13DE-07614-01 Consensus conference--Methods for cariogenic potential of food
R01DE-07690-01 Growth and development of the human head
** N01DE-42553-04 Epidemiologic survey of oral health in adults

DENTAL HEALTH EDUCATION

SEE EDUCATION, HEALTH EDUCATION, DENTAL

DENTAL HEALTH FACILITIES

P01DE-05130-06 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
** R03DE-07307-01 University of Mississippi dental care unit--Field testing

DENTAL HEALTH SERVICES

** R01DE-05305-05 Behavioral approaches to pain responses in pedodontics (children)
R01DE-05497-04 Dental disease and work loss (human)
** R01DE-05622-04 Rx for dental patients at risk for endocarditis (dentists)
R01DE-06154-03 Effects of orthodontia on psychosocial functioning (human)
R01DE-06294-04 Effects of physiological feedback on dental fear (human)
R01DE-06521-02 Behavioral response enhancement after periodontal surgery (human)
** R23DE-06562-02 Fluoridation effects on dental demand (human)
** R23DE-06865-02 Child desensitization for dental visits (human)
** R01DE-06895-02 Implementing preventive dental programs in schools

DENTAL (HEALTH) SURVEYS

SEE POPULATION SURVEYS, HEALTH SURVEYS, DENTAL

DENTAL IMPLANT (PROSTHETICS)

SEE DENTAL PROSTHESIS, DENTAL IMPLANT

DENTAL IMPLANT ENDOSSEOUS

SEE DENTAL PROSTHESIS, DENTAL IMPLANT ENDOSSEOUS

DENTAL INLAYS

SEE DENTAL FILLINGS, DENTAL INLAYS

DENTAL INSTRUMENTS*

** R01DE-05761-06 Improved dental instruments and materials
** R44DE-06779-03 Evaluation of a new automated periodontal probe

DENTAL INSURANCE

SEE HEALTH INSURANCE, DENTAL

DENTAL MATERIALS

SEE ALSO ORAL-FACIAL RESTORATION MATERIALS
** P50DE-02668-19 0149 Regional dental research center - Strengths of polymers in tooth restorative materials
** P50DE-02668-19 0150 Regional dental research center - Polymerization of tooth restorative composite materials
** P50DE-02668-19 0191 Regional dental research center - Clinical study of restorative materials
** R01DE-04096-07 Biocompatibility of endodontic materials (guinea pigs, rats, monkeys)
** R01DE-04136-11 Maxillofacial materials--Color study (human)
** R01DE-05129-08 Improvement of preventive and restorative materials (monkeys)
R01DE-05418-06 In vivo forces on endosseous dental implants (dogs)
** R01DE-05423-06 Diffuse reflectance by esthetic dental materials
R01DE-05563-05 The blade implant--Clinical efficacy and safety (human)
** R01DE-05761-06 Improved dental instruments and materials
R01DE-05956-05 The adhesive of Mytilus byssus
** R01DE-05980-02 Stress analysis of mandibular partial dentures
** R01DE-06170-03 Radiopaque restorative and prosthetic dental resins
** R01DE-06179-03 Radiopaque restorative and prosthetic dental resins
** R01DE-06201-01 Water sorption of glassy dental polymers
R03DE-06446-02 Bifunctional reagents as alternatives to formocresol (rats, dogs, rabbits)
** R01DE-06762-02 Development of an advanced artificial oral environment
R01DE-06994-02 Palladium containing dental amalgam
** R43DE-07034-01 Titanium alloys for partial dentures - Phase I
** R43DE-07261-01 Dimethylsuberimidate as a pulpotomy agent (rats)
** R43DE-07266-01 Mytilus edulis polyphenolic protein--Adhesive system development
** R03DE-07410-01 Effect of fluoride nucleation on glass-ceramic formation

DENTAL MATERIALS, AMALGAM DENTAL

** R01DE-02320-20 Clinical behavior of dental restorative materials (human)
P50DE-02668-19 0191 Regional dental research center - Clinical study of restorative materials
** R01DE-02936-17 Relationship of microstructure to behavior of amalgam
** R01DE-03601-12 Effect of corrosion on dental amalgams
R01DE-04883-08 Nature of alloy systems for crown and bridge restorations (human)
** R01DE-05423-06 Diffuse reflectance by esthetic dental materials
R01DE-05761-06 Improved dental instruments and materials
R01DE-06112-05 Filled sealant as a conservative restorative material (human)

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number.

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** R01DE-06519-01 Dental amalgams contribution to blood mercury levels
** R01DE-06539-03 Breakdown of amalgam margins--A microstructural study
** R01DE-06563-03 Microstructure vs. deterioration of amalgam restorations
R01DE-06720-02 Resistance of various restorative materials
** R01DE-06994-02 Palladium containing dental amalgam
R01DE-06996-01 Biological molecules in the corrosion of dental alloys
** R01DE-07374-01 Effectiveness of dental clinical evaluation techniques (human)

DENTAL MATERIALS, BONDING

SEE ALSO DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS

P50DE-02668-19 0150 Regional dental research center - Polymerization of tooth restorative composite materials
R01DE-04749-06 F-releasing and acid barrier-polymer caries therapies
R01DE-04814-06 Clinical evaluation of PNF permanent soft denture liners
R01DE-04883-08 Nature of alloy systems for crown and bridge restorations (human)
** R01DE-05129-08 Improvement of preventive and restorative materials (monkeys)
** R01DE-05460-05 Bonding of dental porcelain to non-precious alloys
R01DE-05761-06 Improved dental instruments and materials
R23DE-07079-01 Effect of composition on fracture and creep of composite
** R43DE-07397-01 Alloy/solder interfaces--TEM microstructure vs strength

DENTAL MATERIALS, CASTING

SEE ALSO DENTAL MATERIALS, INVESTMENT

R01DE-04883-08 Nature of alloy systems for crown and bridge restorations (human)
R01DE-05321-06 Titanium alloys in dentistry
R01DE-05519-06 Oxidation behavior of Ni-base crown and bridge alloys
R01DE-05761-06 Improved dental instruments and materials
** R43DE-07034-01 Titanium alloys for partial dentures - Phase I
R01DE-07374-01 Effectiveness of dental clinical evaluation techniques (human)
** R43DE-07397-01 Alloy/solder interfaces--TEM microstructure vs strength

DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS

R01DE-02320-20 Clinical behavior of dental restorative materials (human)
P50DE-02731-19 0037 Development support for dental research institute - Surface science laboratory
** R01DE-04096-07 Biocompatibility of endodontic materials (guinea pigs, rats, monkeys)
R01DE-04749-06 F-releasing and acid barrier-polymer caries therapies
** R01DE-05129-08 Improvement of preventive and restorative materials (monkeys)
R01DE-05761-06 Improved dental instruments and materials
** R01DE-05839-03 In vivo vs in vitro cement solubility--Correlative study
** R01DE-06112-05 Filled sealant as a conservative restorative material (human)
** R23DE-06208-02 Preventive services adoption in private dental practices
R01DE-06409-03 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)
** R03DE-06675-02 Biological evaluation of a new dental cement (rats)
** R23DE-06987-01 Study of surfactant use in restorative materials
R23DE-07079-01 Effect of composition on fracture and creep of composite
** R43DE-07266-01 Mytilus edulis polyphenolic protein--Adhesive system development
** R01DE-07374-01 Effectiveness of dental clinical evaluation techniques (human)
** N01DE-22439-05 Cost of combined sealant and self-applied fluoride program
N01DE-42552-02 Prevent maternal transmission of streptococcus mutans (humans)
** N01DE-52557-00 Clinical trial of an adhesive material

DENTAL MATERIALS, DENTAL METALS

SEE ALSO DENTAL MATERIALS, AMALGAM DENTAL

R01DE-02320-20 Clinical behavior of dental restorative materials (human)
R01DE-02936-17 Relationship of microstructure to behavior of amalgam
** R01DE-04883-08 Nature of alloy systems for crown and bridge restorations (human)
** R01DE-05321-06 Titanium alloys in dentistry
** R01DE-05418-06 In vivo forces on endosseous dental implants (dogs)
** R01DE-05460-05 Bonding of dental porcelain to non-precious alloys
** R01DE-05519-06 Oxidation behavior of Ni-base crown and bridge alloys
R01DE-05761-06 Improved dental instruments and materials
** R01DE-06374-04 Semi- and nonprecious metal-procelain systems
R01DE-06539-03 Breakdown of amalgam margins--A microstructural study
** R01DE-06672-03 Optimization of metal-ceramic restoration design
R01DE-06720-02 Resistance of various restorative materials
R01DE-06994-02 Palladium containing dental amalgam
** R01DE-06996-01 Biological molecules in the corrosion of dental alloys
** R43DE-07034-01 Titanium alloys for partial dentures - Phase I
** R03DE-07127-01 Deactivation behavior of orthodontics wires in flexure
** R13DE-07172-01 Biocompatibility, toxicity, hypersensitivity in dentistry
** R03DE-07306-01 Vitallium and titantium endodontic implants (monkeys)
** R43DE-07397-01 Alloy/solder interfaces--TEM microstructure vs strength

DENTAL MATERIALS, IMPRESSION MATERIALS

R01DE-05761-06 Improved dental instruments and materials

DENTAL MATERIALS, INVESTMENT

R01DE-04883-08 Nature of alloy systems for crown and bridge restorations (human)
R01DE-05761-06 Improved dental instruments and materials

DENTAL MATERIALS, PORCELAINS

R01DE-04883-08 Nature of alloy systems for crown and bridge restorations (human)
** R01DE-05423-06 Diffuse reflectance by esthetic dental materials
** R01DE-05460-05 Bonding of dental porcelain to non-precious alloys
R01DE-05519-06 Oxidation behavior of Ni-base crown and bridge alloys
R01DE-05761-06 Improved dental instruments and materials
** R01DE-06374-04 Semi- and nonprecious metal-procelain systems
** R01DE-06672-03 Optimization of metal-ceramic restoration design
R43DE-07397-01 Alloy/solder interfaces--TEM microstructure vs strength

DENTAL MATERIALS, ROOT CANAL FILLING MATERIALS

R01DE-05761-06 Improved dental instruments and materials

DENTAL MATERIALS, WEAR

SEE ALSO DENTAL STRUCTURE, TOOTH WEAR

** P50DE-02668-19 0123 Regional dental research center - In situ replication techniques and the wear of restorative materials
P50DE-02668-19 0150 Regional dental research center - Polymerization of tooth restorative composite materials
R01DE-04096-07 Biocompatibility of endodontic materials (guinea pigs, rats, monkeys)
R01DE-05945-04 Physicochemical modifications of dental restoratives
** R01DE-06563-03 Microstructure vs. deterioration of amalgam restorations
** R01DE-06720-02 Resistance of various restorative materials
R01DE-06996-01 Biological molecules in the corrosion of dental alloys
R23DE-07079-01 Effect of composition on fracture and creep of composite
R13DE-07172-01 Biocompatibility, toxicity, hypersensitivity in dentistry
R03DE-07306-01 Vitallium and titantium endodontic implants (monkeys)
** R01DE-07374-01 Effectiveness of dental clinical evaluation techniques (human)
N01DE-52557-00 Clinical trial of an adhesive material

DENTAL METALS

SEE DENTAL MATERIALS, DENTAL METALS

DENTAL MOTTLING

SEE DENTAL DISCOLORATION, DENTAL MOTTLING

DENTAL OCCLUSION

SEE ALSO DENTAL DISORDERS, MALOCCLUSION
SEE ALSO DENTISTRY, ORTHODONTICS

P50DE-02731-19 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
P50DE-04881-09 0001 Clinical research in periodontal disease - Diagnosis and treatment of destructive periodontal diseases (human)
R01DE-06424-01 Development of oral tissues after early undernutrition (human)
** R23DE-06546-02 Assessment and treatment of mandibular pain-dysfunction (human)
R01DE-07690-01 Growth and development of the human head

DENTAL OCCLUSION, BITE AND BITING STRENGTH (FORCE)

** R01DE-03953-11 Force systems from orthodontic appliances
** R01DE-04164-08 Functional properties of rabbit jaw muscles (rabbit)
** R01DE-04531-08 Strain in the facial bones (monkeys)
R01DE-05215-07 Influences on stability following orthognathic surgerya (human)
R01DE-05410-06 Orthodontic treatment effects on craniofacial growth (human)
** R01DE-05418-06 In vivo forces on endosseous dental implants (dogs)
R01DE-05980-02 Stress analysis of mandibular partial dentures
R01DE-06762-02 Development of an advanced artificial oral environment
R03DE-06813-02 Digastric and lateral pterygoid muscle function
** R03DE-06817-02 Maxillary expansion using laser specklegrammetry (human)
R23DE-06851-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)
** R01DE-06943-02 Central projections of MES V afferents (cats)
** R23DE-07079-01 Effect of composition on fracture and creep of composite
R23DE-07182-01 Tooth wear and tooth use in Cercopithecus aethiops (green monkeys)
N01DE-52557-00 Clinical trial of an adhesive material

DENTAL PAIN

P50DE-02731-19 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
R01DE-04494-08 Control of stress during dental procedures (human)
** R01DE-04786-08 Dental and orofacial pain--Brain stem mechanisms (cats)
M P01DE-05130-06 Dental/orofacial pain--Mechanisms behavior and modulation
** P01DE-05130-06 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Near and far field evoked potentials and pain reactivity (cats, monkeys)
** P01DE-05130-06 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
P01DE-05130-06 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and orofacial pain in man
** R01DE-05159-07 Distribution and ultrastructure of dental innervation (rats, primates, dogs)
** R01DE-05305-05 Behavioral approaches to pain responses in pedodontics (children)
** R01DE-05369-07 Factors affecting dental postoperative pain (human)
** R01DE-05404-07 Dental pain--Studies on trigeminal nucleus caudalis (cats)
** R01DE-05497-04 Dental disease and work loss (human)
** R01DE-06219-03 Facial behavior related to acute dental pain (human)
** R01DE-06585-03 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
R01DE-06725-02 Anatomical studies of sensory trigeminal nuclei (rats)
R03DE-07012-02 Therapeutic regimens for dental surgery
** R01DE-07133-02 Peripheral and central mechanisms of dental pain (monkeys, rats)

DENTAL PERSONNEL

SEE ALSO EDUCATION, HEALTH OCCUPATIONS, DENTAL

R01DE-05622-04 Rx for dental patients at risk for endocarditis (dentists)
R01DE-07011-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
** R03DE-07042-02 Interdependence in the dentist-patient relationship
** R03DE-07157-01 Studies on nitrous oxide teratogenesis (rats)
R01DE-07696-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

DENTAL PERSONNEL, DENTAL ASSISTANTS

** R23DE-06522-03 Schooling and work setting--Effects on dental hygienists
N01DE-22439-05 Cost of combined sealant and self-applied fluoride program

DENTAL PHARMACOLOGY

** P50DE-04881-09 0004 Clinical research in periodontal disease - Bone destruction in periodontal disease (human)
** R03DE-06446-02 Bifunctional reagents as alternatives to formocresol (rats, dogs, rabbits)
R01DE-06725-02 Anatomical studies of sensory trigeminal nuclei (rats)
R01DE-06738-02 Fluoride effect on human tooth root caries (rats)
** P50DE-07117-01 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology
** R03DE-07170-01 Pharmacological control of post-operative swelling (human)
R03DE-07436-01 Intracellular degradation of extracellular collagen (human)
** N01DE-32444-02 Pharmacology of intraoral fluoride-releasing device

DENTAL PLAQUE

SEE DENTAL DEPOSITS, PLAQUE

DENTAL PLAQUE REMOVAL

SEE DENTAL DEPOSITS REMOVAL

DENTAL PROSTHESIS

SEE ALSO DENTAL FILLINGS
SEE ALSO DENTAL MATERIALS, PORCELAINS
SEE ALSO DENTAL MATERIALS, WEAR

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SEE ALSO ORAL-FACIAL RESTORATION, CLEFT PALATE PROSTHESIS
SEE ALSO ORAL-FACIAL RESTORATION, PROSTHODONTICS
P50DE-02668-19 0123 Regional dental research center - In situ replication techniques and the wear of restorative materials
R01DE-04749-06 F-releasing and acid barrier-polymer caries therapies
** R01DE-04883-08 Nature of alloy systems for crown and bridge restorations (human)
R01DE-05519-06 Oxidation behavior of Ni-base crown and bridge alloys
** R01DE-05563-05 The blade implant--Clinical efficacy and safety (human)
** R01DE-05945-04 Physicochemical modifications of dental restoratives
R01DE-06112-05 Filled sealant as a conservative restorative material (human)
R01DE-06179-03 Radiopaque restorative and prosthetic dental resins
R01DE-06201-01 Water sorption of glassy dental polymers
** R01DE-06300-03 porous polyethylene and porous polysulfone tooth roots (monkeys)
** R01DE-06519-01 Dental amalgams contribution to blood mercury levels
R01DE-06672-03 Optimization of metal-ceramic restoration design
** R01DE-06859-01 Biomechanics of the mandible (human)
R01DE-07086-01 Development of artificial oral mucosa (rabbits)

DENTAL PROSTHESIS, DENTAL IMPLANT

R01DE-04749-06 F-releasing and acid barrier-polymer caries therapies
R01DE-05761-06 Improved dental instruments and materials
** R01DE-06730-02 Dental implant surfaces impeding epithelial migration (rats)
R01DE-06859-01 Biomechanics of the mandible (human)
R43DE-07034-01 Titanium alloys for partial denture - Phase I

DENTAL PROSTHESIS, DENTAL IMPLANT ENDOSSEOUS

** R01DE-05418-06 In vivo forces on endosseous dental implants (dogs)
** R01DE-05563-05 The blade implant--Clinical efficacy and safety (human)
R01DE-05761-06 Improved dental instruments and materials
** R01DE-06300-03 porous polyethylene and porous polysulfone tooth roots (monkeys)
** R03DE-07306-01 Vitallium and titantium endodontic implants (monkeys)

DENTAL PROSTHESIS, DENTURES

** R01DE-02320-20 Clinical behavior of dental restorative materials (human)
** R01DE-04814-05 Clinical evaluation of PNF permanent soft denture liners
R01DE-05321-06 Titanium alloys in dentistry
** R01DE-05497-04 Dental disease and work loss (human)
R01DE-05563-05 The blade implant--Clinical efficacy and safety (human)
** R01DE-05980-02 Stress analysis of mandibular partial dentures
** R01DE-06638-02 Complete denture service psychophysiological criteria
** P50DE-07010-02 0001 Specialized caries research center - Prevention of caries in overdenture abutments (humans)
** R43DE-07034-01 Titanium alloys for partial dentures - Phase I
R03DE-07410-01 Effect of fluoride nucleation on glass-ceramic formation
N01DE-52557-00 Clinical trial of an adhesive material

DENTAL PULP CALCIFICATION

SEE DENTAL PULP DISORDERS, DENTAL PULP CALCIFICATION

DENTAL PULP CAPPING

SEE DENTISTRY, ENDODONTICS, ROOT CANAL THERAPY, PULP CAPPING

DENTAL PULP DISORDERS

SEE ALSO DENTAL ABSCESS
R01DE-05404-07 Dental pain--Studies on trigeminal nucleus caudalis (cats)
R01DE-05605-05 The humoral regulation of pulp circulation (rats, dogs)
R01DE-06427-04 Permeability characteristics of dentin (dogs, human)
** R43DE-07261-01 Dimethylsuberimidate as a pulpotomy agent (rats)

DENTAL PULP DISORDERS, DENTAL PULP CALCIFICATION

R01DE-05262-06 Mineralization in oral biology (mice, rats)
** R03DE-06714-02 New approach to fixation of human pulp and dentine

DENTAL RADIOGRAPHY

SEE DENTAL VISUALIZATION, DENTAL RADIOGRAPHY*

DENTAL RESEARCH*

** R01DE-04068-11 Statistical methods in dental research
P01DE-06946-02 0008 Pathophysiology of MPD and other facial pain syndromes - TMJ symptons in pre- and post-orthognathic surgery patients
M P50DE-07010-02 Specialized caries research center
** N01DE-52554-00 Conferrence in support of NIDR R and D programs

DENTAL RESEARCH INSTITUTE REVIEW COMMITTEE

M P50DE-02600-19 Support for oral biology research center
M P50DE-02623-18 Center for oral health research
M P50DE-02668-19 Regional dental research center
M P50DE-02670-19 Institute of dental research
M P50DE-02731-19 Development support for dental research institute
M P50DE-04881-09 Clinical research in periodontal disease
M P50DE-04898-09 Periodontal disease research center
M P50DE-05139-08 Clinical research center for periodontal disease
** R03DE-06272-02 Oxygen and sodium valproate induced craniofacial defects (mice)
** R03DE-06446-02 Bifunctional reagents as alternatives to formocresol (rats, dogs, rabbits)
** R03DE-06675-02 Biological evaluation of a new dental cement (rats)
** R03DE-06677-02 Vascular casting of the dental pulp (cats)
** R03DE-06714-02 New approach to fixation of human pulp and dentine
** R03DE-06799-02 Speech prostheses in orofacial cancer patients
** R03DE-06813-02 Digastric and lateral pterygoid muscle function
** R03DE-06814-02 Transposon mutagenesis of the oral streptococci
** R03DE-06817-02 Maxillary expansion using laser specklegrammetry (human)
** R03DE-06819-02 TMJ clicking related to orthodontic therapy
** R03DE-06821-02 Regulation of bone cells three-dimensional culture models (mice)
** R03DE-06825-02 Central nervous system control of Von Ebner's glands (rats)
** R03DE-06907-02 Osteogenic potential of DBP and hydroxylapatite in dogs
** R03DE-06916-01 Oral herpes simplex in immunocompromised patients
** R03DE-06937-02 Structure-activity of polycarboxylate absorption by hydroxyapatite
** R03DE-06940-01 Comparisons of microvessels and osteoblasts in vitro
** R03DE-07001-01 Exogenous arachidonic acid metabolism by oral squamous carcinoma cells (human)
** R03DE-07012-02 Therapeutic regimens for dental surgery
** R03DE-07014-01 Human PDL cell attachment to root surfaces
** R03DE-07019-02 Ultrasonic detection of oral markers (human)
** R03DE-07024-02 Oral signs and symptoms in bulimic patients
** R03DE-07042-02 Interdependence in the dentist-patient relationship
** R03DE-07051-01 HPLC analysis of purine nucleosides in crevicular fluid
** R03DE-07052-01 Factors related to coping with orthognathic surgery
** R13DE-07080-01 Gordon research conference on calcium phosphates 1985
M P50DE-07117-01 Periodontal disease research center
** R03DE-07121-01 Acid production in craniofacial osteoclasts (mice)
** R03DE-07123-01 Role of cytomegalovirus in Sjogren's syndrome
** R03DE-07124-01 Prevalence of 1 and 2 coronal caries in adults (human)
** RC3DE-07127-01 Deactivation behavior of orthodontics wires in flexure
** R03DE-07130-01 Epidemiology of oral disease in Hispanic Americans
** R03DE-07140-01 In vitro interactions of bacteria from periodontitis
** R03DE-07142-01 Leukocyte IgA Fc receptors (human)
** R03DE-07143-01 Sounds of normal and impaired swallow (humans)
** R03DE-07145-01 Oxygen free radicals in palatal development (mice)
** R03DE-07146-01 Biochemistry of Streptococcus mutans ribosomes (rabbits)
** R03DE-07148-01 Effect of epidermal growth factor on tooth development (mice)
** R03DE-07149-01 Ethanol teratogenicity at early somite stages in mice
** R03DE-07152-01 Skeletal muscle basal laminae--Biochemical analyses (rats)
** R03DE-07156-01 Regulation of dental innervation by trophic factors
** R03DE-07157-01 Studies on nitrous oxide teratogenesis (rats)
** R03DE-07165-01 Calcitonin receptor (mice)
** R03DE-07169-01 Periodontal disease in sickle cell anemia
** R03DE-07170-01 Pharmacological control of post-operative swelling (human)
** R13DE-07172-01 Biocompatibility, toxicity, hypersensitivity in dentistry
** R03DE-07278-01 Laminin and immune intervention in periodontal disease
** R03DE-07282-01 Basal ganglia-trigeminal interactions (cats)
** R03DE-07283-01 Diabetes risk assessment in the elderly dental patient
** R03DE-07290-01 Self-monitoring to improve oral health of depressed aged
** R03DE-07297-01 Mechanism of action of phenytoin (human, rats)
** R03DE-07299-01 Ultramicro analysis of plaque samples from single sites
** R03DE-07301-01 Congenital effects of low mercury and lead exposure (human)
** R03DE-07306-01 Vitallium and titantium endodontic implants (monkeys)
** R03DE-07307-01 University of Mississippi dental care unit--Field testing
** R03DE-07308-01 Co2 lasers in preventative dentistry - safety parameters (dogs)
** R03DE-07311-01 Isolation of antibacterial peptides from human PMNs (rabbits)
** R03DE-07313-01 Ligand receptor interactions of actinomyces viscosus (human, rabbit)
** R03DE-07314-01 Genetics of streptococcus sanguis (rats)
** R03DE-07319-02 Intermicroscopic correlation of remineralization
** R03DE-07386-01 Nicotinamide: A potential inhibitor of carcinogenesis (rats)
** R03DE-07404-01 Collagen matrices for oral epithelium in vitro (human, rats)
** R03DE-07405-01 Model for root caries following alveolar bone loss
** R03DE-07406-01 Effect of ingested ethyl alcohol on oral epithelium (rat)
** R03DE-07410-01 Effect of fluoride nucleation on glass-ceramic formation
** R03DE-07412-01 Effect of zinc on intestinal absorption of calcium (human)
** R03DE-07413-01 Pressure algometer for MPD--Reliability and validity
** R03DE-07418-01 Dentinogenesis imperfecta--Chromosome mapping
** R03DE-07424-01 Bacterial invasion of a basement membrane - like matrix in vitro
** R03DE-07426-01 Calcium, fluoride and hydrogen ions in caries (human)
** R03DE-07430-01 A study of facial features in cleft lip-palate families (human)
** R03DE-07433-01 Periodontosis--A defect in PMN actin polymerization (human)
** R03DE-07436-01 Intracellular degradation of extracellular collagen (human)
** R03DE-07440-01 Spatiotemporal mapping of trigeminal evoked potentials (human)
** R03DE-07556-01 Investigation of PDGF receptors on U20s osteosarcoma cells (tissue culture)
** R13DE-07614-01 Consensus conference--Methods for cariogenic potential of food

DENTAL SEALANTS

SEE DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS

DENTAL STRESS ANALYSIS

SEE ALSO DENTAL MATERIALS, WEAR
R01DE-05321-06 Titanium alloys in dentistry
R01DE-06859-01 Biomechanics of the mandible (human)
R23DE-07328-01 A quantitative study of lesion formation in animal models (also human)

DENTAL STRUCTURE

SEE ALSO ORAL-PHARYNGEAL (REGION)
R01DE-05030-07 Crystal chemistry of calcium phosphates (human, rats)
R01DE-06424-01 Development of oral tissues after early undernutrition (human)

DENTAL STRUCTURE, AMELOBLASTS

P50DE-02670-19 0020 Institute of dental research - Effects of trace elements on tooth development and caries
** P01DE-02848-15 0007 Biology of connective tissue, bones, and teeth - Extracellular matrix and epithelial gene expression (animals)
P01DE-02848-15 0010 Biology of connective tissue, bones, and teeth - Enamel gene expression during vertebrate tooth development (animals)
** R01DE-04230-10 Comparative ultrastructure of mammalian amelogenesis (cats)
R01DE-05323-04 Calcium ion interactions in developing dental tissues (rats)
R01DE-05586-05 Cell surface studies of the enamel organ (mice)
** R01DE-05769-07 Ultrastructure of tooth development (rats)
R01DE-06425-02 Nutritional studies of tooth development in vitro (mice, rats)
R01DE-06765-02 Ion transport through the maturation stage enamel organ (cows, rats)
** R01DE-06852-02 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
R01DE-06854-02 Steroid hormone receptors in developing teeth (rats)
** R01DE-06988-01 Determination and expression of ameiogenin gene products (mice)
R03DE-07148-01 Effect of epidermal growth factor on tooth development (mice)
R23DE-07384-01 Effects of chronic high fluoride on enamel development (rats)
R01DE-07594-01 Enamel proteins

(contd)

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DENTAL STRUCTURE, CEMENTUM

R01DE-01554-24 Host factors in caries resistance (human, bacteria)
P50DE-02670-19 0036 Institute of dental research - Dental caries preventive measures (rats)
** P01DE-02847-17 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
** R01DE-06250-03 Histologic evaluation of new attachments in humans
R23DE-06766-02 Surgical regeneration of the periodontium (dogs)
R44DE-06779-03 Evaluation of a new automated periodontal probe
P50DE-07009-02 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
P50DE-07009-02 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)
R01DE-07030-01 Epidemiology, prevention and treatment of root caries (humans)
R23DE-07075-01 Tissue interactions in root development (mice)
** R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)

DENTAL STRUCTURE, DENTAL ALVEOLUS

P01DE-01850-22 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
** P50DE-02600-19 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)
R01DE-06007-03 Periodontal tissue changes during pregnancy-lactation (rats)
** R01DE-06065-05 The role of lymphoid cells in alveolar bone resorption (rats)
R23DE-06874-02 Effect of intermaxillary fixation on skeletal relapse (monkeys)
P50DE-07010-02 0001 Specialized caries research center - Prevention of caries in overdenture abutments (humans)
R01DE-07376-01 Biochemical profile for gingival crevicular fluid
** R03DE-07405-01 Model for root caries following alveolar bone loss
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

DENTAL STRUCTURE, DENTIN

** R01DE-01374-25 Matrix component interactions in bone and dentin (rabbits, rats, mice)
P50DE-02668-19 0125 Regional dental research center - Significance of collagen crosslinks in tissue
P50DE-02670-19 0003 Institute of dental research - Macromolecules of mineralized tissues
P50DE-02670-19 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
R01DE-03223-15 Kinetics of mineralization of teeth (human)
R01DE-04096-07 Biocompatibility of endodontic materials (guinea pigs, rats, monkeys)
R01DE-05030-07 Crystal chemistry of calcium phosphates (human, rats)
R01DE-05092-07 Proteins involved in dentinogenesis
R01DE-05129-08 Improvement of preventive and restorative materials (monkeys)
R01DE-05262-06 Mineralization in oral biology (mice, rats)
R01DE-05323-04 Calcium ion interactions in developing dental tissues (rats)
R01DE-06425-02 Nutritional studies of tooth development in vitro (mice, rats)
** R01DE-06427-04 Permeability characteristics of dentin (dogs, human)
R01DE-06557-02 Effects of barium on human enamel and dental caries (rats)
** R03DE-06714-02 New approach to fixation of human pulp and dentine
R23DE-06739-02 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
** R23DE-06896-02 Nonenzymatic reactions in human dentin proteins
** R01DE-06954-01 Structural studies of matrix proteins in teeth and bone
R01DE-06955-02 Epidermal growth factor and tooth development (mice)
P50DE-07009-02 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
P50DE-07009-02 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)
R23DE-07075-01 Tissue interactions in root development (mice)
R01DE-07223-01 Magnesium and calcium phosphate formation and stability (humans, fish)

DENTAL STRUCTURE, ENAMEL

R01DE-01554-24 Host factors in caries resistance (human, bacteria)
** R01DE-01912-22 Tooth enamel apatite at the atomic level (human)
** P50DE-02623-18 0036 Center for oral health research - Enamel proteins and their genes
** P50DE-02668-19 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
P50DE-02670-19 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
P50DE-02670-19 0020 Institute of dental research - Effects of trace elements on tooth development and caries
** P50DE-02670-19 0036 Institute of dental research - Dental caries preventive measures (rats)
P01DE-02847-17 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
P01DE-02848-15 0007 Biology of connective tissue, bones, and teeth - Extracellular matrix and epithelial gene expression (animals)
** P01DE-02848-15 0010 Biology of connective tissue, bones, and teeth - Enamel gene expression during vertebrate tooth development (animals)
** R01DE-03187-14 Transport in enamel and solubility of enamel (human)
R01DE-03223-15 Kinetics of mineralization of teeth (human)
R01DE-03915-12 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
** R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)
** R01DE-04230-10 Comparative ultrastructure of mammalian amelogenesis (cats)
R01DE-04385-10 Mechanism of dental caries
R01DE-04486-08 Kinetics and mechanisms of action of fluorides (human)
R01DE-04529-09 Replacement therapy of dental caries (rats)
R01DE-04705-06 Reactions of titanium fluoride with hydroxpatite
R01DE-05030-07 Crystal chemistry of calcium phosphates (human, rats)
** R01DE-05067-07 Interaction of topical fluoride with human enamel (rats, hamsters)
R01DE-05129-08 Improvement of preventive and restorative materials (monkeys)
** R01DE-05253-06 Measurements of enamel permeability as related to caries (human)
** R01DE-05289-07 Uptake and binding by early enamel matrix (rats)
R01DE-05354-08 Prevention of dental caries
R01DE-05672-03 Anionic salivary proteins in dental integuments (Macaca facicularis)
R01DE-05690-04 Localization of the procollagens in dental tissues (rats, mice, rabbits)
** R01DE-05769-07 Ultrastructure of tooth development (rats)
R01DE-06113-05 Determinants of fluoride in the oral environment (dogs, rats)
R01DE-06127-03 Acid-base physiology of oral streptococci
R01DE-06402-03 Root caries--An in vitro model system.
R01DE-06424-01 Development of oral tissues after early undernutrition (human)
R01DE-06425-02 Nutritional studies of tooth development in vitro (mice, rats)
R01DE-06552-04 Hydroxyapatite remineralization--The role of fluoride
** R01DE-06557-02 Effects of barium on human enamel and dental caries (rats)
** R01DE-06564-04 Remineralization of enamel caries in vitro (human)
** R01DE-06569-04 Quantitation of enamel demineralization mechanisms
** R01DE-06761-02 Prevention of surface zone limited caries of enamel
R44DE-06779-03 Evaluation of a new automated periodontal probe
** R23DE-06829-03 Acid-etching and remineralization of enamel caries in vitro
** R01DE-06954-01 Structural studies of matrix proteins in teeth and bone
** R01DE-06988-01 Determination and expression of amelogenin gene products (mice)
P50DE-07003-02 0004 Rochester caries research center - Salivary pellicle and dental caries (human)
P50DE-07009-02 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
R03DE-07148-01 Effect of epidermal growth factor on tooth development (mice)
** R01DE-07223-01 Magnesium and calcium phosphate formation and stability (humans, fish)
R03DE-07308-01 Co2 lasers in preventative dentistry - safety parameters (dogs)
** R03DE-07319-02 Intermicroscopic correlation of remineralization
** R23DE-07328-01 A quantitative study of lesion formation in animal models (also human)
** R23DE-07384-01 Effects of chronic high fluoride on enamel development (rats)
R23DE-07388-01 Glucan-mediated intraoral demineralization by S mutans (human)

DENTAL STRUCTURE, ENAMEL ORGAN

SEE ALSO DENTAL STRUCTURE, AMELOBLASTS
R01DE-05210-06 Acid phosphatases in developing bones and teeth (rabbits, rats)
R01DE-05323-04 Calcium ion interactions in developing dental tissues (rats)
** R01DE-05586-05 Cell surface studies of the enamel organ (mice)
** R01DE-06765-02 Ion transport through the maturation stage enamel organ (cows, rats)
** R01DE-06952-02 Enamel secretory matrix protease (catte, rats)
R23DE-07384-01 Effects of chronic high fluoride on enamel development (rats)
** R01DE-07594-01 Enamel proteins

DENTAL STRUCTURE, GINGIVA

R01DE-01554-24 Host factors in caries resistance (human, bacteria)
R01DE-02320-20 Clinical behavior of dental restorative materials (human)
P50DE-02600-19 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
P50DE-02600-19 0038 Support for oral biology research center - Connective tissue alterations in periodontal disease
** R01DE-03301-15 Connective tissues of the periodontium (human, dog)
** R01DE-03318-14 The molecular nature of gingival and mucosal collagen (rats)
R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
** R01DE-03987-11 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-04660-10 Keratohyalin in keratinization--Oral mucosa and skin (human)
R01DE-05640-05 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
** R01DE-05817-05 Cellular mechanisms of collagen breakdown (human, animals)
R01DE-06085-03 Interaction of oral spirochetes with periodontal tissues (human, rats)
R01DE-06175-03 Beta-lactamases produced by periodontal bacteria
** R01DE-06671-03 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)
P50DE-07117-01 0003 Periodontal disease research center - Two monitored patient groups--Immunology
P50DE-07117-01 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
P50DE-07118-01 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
** R03DE-07275-01 Measurement of polyamines in gingival crevicular fluid (human)
R03DE-07297-01 Mechanism of action of phenytoin (human, rats)
** R03DE-07436-01 Intracellular degradation of extracellular collagen (human)
** N01DE-12433-05 Phase contrast evaluation of subgingival plaque

DENTAL STRUCTURE, GINGIVA, GINGIVAL SULCUS

** P50DE-02600-19 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
R01DE-03987-11 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-05817-05 Cellular mechanisms of collagen breakdown (human, animals)
R01DE-06643-03 Role of IgA and PMNs in defense of periodontal tissues (mice, rabbits, rats)
R01DE-06953-02 Hydroxyproline levels in periodontal health and disease (dogs)
** R03DE-07051-01 HPLC analysis of purine nucleosides in crevicular fluid
R03DE-07142-01 Leukocyte IgA Fc receptors (human)
R03DE-07278-01 Laminin and immune intervention in periodontal disease
** R01DE-07376-01 Biochemical profile for gingival crevicular fluid

DENTAL STRUCTURE, ODONTOBLASTS

P50DE-02670-19 0003 Institute of dental research - Macromolecules of mineralized tissues
P50DE-02670-19 0020 Institute of dental research - Effects of trace elements on tooth development and caries
R01DE-05092-07 Proteins involved in dentinogenesis
** R01DE-05159-07 Distribution and ultrastructure of dental innervation (rats, primates, dogs)
R01DE-05323-04 Calcium ion interactions in developing dental tissues (rats)
R01DE-05937-05 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06425-02 Nutritional studies of tooth development in vitro (mice, rats)
R01DE-06427-04 Permeability characteristics of dentin (dogs, human)
R01DE-06585-03 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
** R03DE-06714-02 New approach to fixation of human pulp and dentine
R01DE-06854-02 Steroid hormone receptors in developing teeth (rats)
R03DE-07148-01 Effect of epidermal growth factor on tooth development (mice)
R43DE-07261-01 Dimethylsuberimidate as a pulpotomy agent (rats)

(contd).

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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DENTAL STRUCTURE, PERIODONTIUM

** P50DE-02731-19 0033 Development support for dental research institute - Epidemiology laboratory (human)
R01DE-03301-15 Connective tissues of the periodontium (human, dog)
R01DE-03318-14 The molecular nature of gingival and mucosal collagen (rats)
R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
R01DE-05159-07 Distribution and ultrastructure of dental innervation (rats, primates, dogs)
R01DE-05563-05 The blade implant--Clinical efficacy and safety (human)
R01DE-06027-04 Kinesthetic mechanisms in the trigeminal system (cats)
** R01DE-06165-03 Cell biology of periodontal ligament fibroblast
** R01DE-06175-03 Beta-lactamases produced by periodontal bacteria
** R01DE-06250-03 Histologic evaluation of new attachments in humans
** R01DE-06643-03 Role of IgA and PMNs in defense of periodontal tissues (mice, rabbits, rats)
** R23DE-06766-02 Surgical regeneration of the periodontium (dogs)
R44DE-06770-03 Evaluation of a new automated periodontal probe
R23DE-06874-02 Effect of intermaxillary fixation on skeletal relapse (monkeys)
R44DE-06932-02 A periodontal temperature probe (human)
** R03DE-07014-01 Human PDL cell attachment to root surfaces
** R23DE-07075-01 Tissue interactions in root development (mice)
R01DE-07133-02 Peripheral and central mechanisms of dental pain (monkeys, rats)
** R23DE-07256-02 Attachment protein interaction with periodontal bacteria (mice)

DENTAL STRUCTURE, PULP

SEE ALSO DENTISTRY, ENDODONTICS
R01DE-05396-05 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-05605-05 The humoral regulation of pulp circulation (rats, dogs)
R23DE-06157-03 Innervation of the tooth (rats)
R01DE-06585-03 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
** R03DE-06677-02 Vascular casting of the dental pulp (cats)
R01DE-06725-02 Anatomical studies of sensory trigeminal nuclei (rats)
R01DE-06854-02 Steroid hormone receptors in developing teeth (rats)
P50DE-07009-02 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)
** R01DE-07133-02 Peripheral and central mechanisms of dental pain (monkeys, rats)
R43DE-07261-01 Dimethylsuberimidate as a pulpotomy agent (rats)
R03DE-07308-01 Co2 lasers in preventative dentistry - safety parameters (dogs)

DENTAL STRUCTURE, TOOTH

SEE ALSO CONGENITAL ABNORMALITIES, DENTITION
P50DE-02623-18 0009 Center for oral health research - Oral microorganisms in periodontal health and disease (human, rats)
** P50DE-02668-19 0123 Regional dental research center - In situ replication techniques and the wear of restorative materials
P01DE-02847-17 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
** R01DE-03915-12 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
** R01DE-04141-11 Mechanism of hard tissue mineralization (human, rats)
** R01DE-05210-06 Acid phosphatases in developing bones and teeth (rabbits, rats)
** R01DE-05262-06 Mineralization in oral biology (mice, rats)
R01DE-05769-07 Ultrastructure of tooth development (rats)
** R23DE-06157-03 Innervation of the tooth (rats)
** R23DE-06554-03 Organization of cortical tooth representations (monkeys)
** P50DE-07010-02 0002 Specialized caries research center - Influence of plaque pH on mineralization
R01DE-07220-01 Bioactive factors in skeletal repair (rabbits, rats)
** R03DE-07313-01 Ligand receptor interactions of actinomyces viscosus (human, rabbit)
R01DE-07690-01 Growth and development of the human head
** R23DE-07695-01 Organization of cortical tooth representations (monkeys)

DENTAL STRUCTURE, TOOTH GERM

R01DE-04970-07 Nuclear composition and organization for odontogenesis (rats)

DENTAL STRUCTURE, TOOTH MOBILITY

R01DE-03953-11 Force systems from orthodontic appliances
R01DE-05990-02 Periodontitis, leukocyte function and diabetic status (human)
R01DE-06103-03 Evaluation of four modalities of periodontal therapy
N01DE-52558-00 Clinical studies of periodontal diseases in older adult
N01DE-52559-00 Clinical studies of periodontal diseases in older adults

DENTAL STRUCTURE, TOOTH ROOT

SEE ALSO DENTISTRY, ENDODONTICS
** P01DE-02847-17 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
R01DE-05996-04 Alveolar bone metabolism during tooth eruption (dogs)
R01DE-06250-03 Histologic evaluation of new attachments in humans
** R01DE-06300-03 porous polyethylene and porous polysulfone tooth roots (monkeys)
** R01DE-06402-03 Root caries--An in vitro model system
** R01DE-06437-03 Incidence and prevalence of root caries in the elderly (human)
** R01DE-06738-02 Fluoride effect on human tooth root caries (rats)
** R01DE-06951-02 Study of F actions on human root surface caries
** P50DE-07003-02 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
M P50DE-07009-02 Specialized caries research centers
** P50DE-07009-02 0001 Specialized caries research centers - Clinical studies of root caries (human)
** P50DE-07009-02 0002 Specialized caries research centers - Microbial etiology of root surface caries (human, rats)
** P50DE-07009-02 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
** P50DE-07009-02 0004 Specialized caries research centers - Immunological aspects of root caries (human)
** P50DE-07009-02 0005 Specialized caries research centers - Physical, chemical and microbiological aspects of root caries formation (human)
** P50DE-07009-02 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)
** P50DE-07010-02 0004 Specialized caries research center - Carbohydrates in root caries
** P50DE-07010-02 0005 Specialized caries research center - Immunological investigation of root surface caries
** R03DE-07014-01 Human PDL cell attachment to root surfaces
** R01DE-07030-01 Epidemiology, prevention and treatment of root caries (humans)
** R23DE-07075-01 Tissue interactions in root development (mice)
** R01DE-07375-01 Dietary factors and root caries in animals (hamsters)
** R03DE-07405-01 Model for root caries following alveolar bone loss
N01DE-42553-04 Epidemiologic survey of oral health in adults

DENTAL STRUCTURE, TOOTH WEAR

SEE ALSO DENTISTRY, BRUXISM
SEE ALSO DENTISTRY, MASTICATION
R01DE-06300-03 porous polyethylene and porous polysulfone tooth roots (monkeys)
R23DE-07079-01 Effect of composition on fracture and creep of composite
** R23DE-07182-01 Tooth wear and tooth use in Cercopithecus aethiops (green monkeys)
** R23DE-07328-01 A quantitative study of lesion formation in animal models (also human)
R23DE-07384-01 Effects of chronic high fluoride on enamel development (rats)

DENTAL STUDY SECTION

SEE ORAL BIOLOGY AND MEDICINE STUDY SECTION

DENTAL VISUALIZATION, DENTAL RADIOGRAPHY*

R01DE-03598-10 Dentofacial effects of forces to retract the maxilla (human)
** R01DE-06379-03 Dental xeroradiography--Clinical investigaiton
** P50DE-07117-01 0001 Periodontal disease research center - Two monitored patient groups--Clinical component
** R43DE-07395-01 Improved X rays for the diagnosis of periodontal disease

DENTIFRICES

R01DE-05067-07 Interaction of topical fluoride with human enamel (rats, hamsters)
** N01DE-12431-06 Clinical trail of a combined MFP-NaF dentifrice
N01DE-12433-05 Phase contrast evaluation of subgingival plaque
N01DE-32444-02 Pharmacology of intraoral fluoride-releasing device

DENTIN

SEE DENTAL STRUCTURE, DENTIN

DENTIN SENSITIVITY

SEE DENTAL PAIN

DENTINOGENESIS

SEE DENTAL DEVELOPMENT, DENTINOGENESIS

DENTISTRY

SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL
SEE ALSO ORAL-FACIAL RESTORATION
SEE ALSO ORAL-PHARYNGEAL, JAW
SEE ALSO ORAL SURGERY
SEE ALSO SENSORY DEPRESSION, ANESTHESIA DENTAL
** R01DE-04494-08 Control of stress during dental procedures (human)
R43DE-07528-01 Immuno-diagnostic probe for periodontitis

DENTISTRY, BRUXISM

P50DE-02731-19 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
R03DE-06813-02 Digastric and lateral pterygoid muscle function
P01DE-06946-02 0006 Pathophysiology of MPD and other facial pain syndromes - General population survey for TMJ clicking
R01DE-07690-01 Growth and development of the human head

DENTISTRY, ENDODONTICS

SEE ALSO DENTAL STRUCTURE, PULP
SEE ALSO DENTAL STRUCTURE, TOOTH ROOT
** R01DE 04096-07 Biocompatibility of endodontic materials (guinea pigs, rats, monkeys)
R01DE-06300-03 porous polyethylene and porous polysulfone tooth roots (monkeys)

DENTISTRY, ENDODONTICS, PULPOTOMY

R01DE-04786-08 Dental and orofacial pain--Brain stem mechanisms (cats)
** R03DE-06446-02 Bifunctional reagents as alternatives to formocresol (rats, dogs, rabbits)
** R43DE-07261-01 Dimethylsuberimidate as a pulpotomy agent (rats)

DENTISTRY, ENDODONTICS, ROOT CANAL THERAPY, PULP CAPPING

N01DE-52557-00 Clinical trial of an adhesive material

DENTISTRY, GINGIVECTOMY

R03DE-07405-01 Model for root caries following alveolar bone loss

DENTISTRY, MASTICATION

SEE ALSO ORAL-PHARYNGEAL, JAW MOVEMENT
** P50DE-02731-19 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
P01DE-03610-19 0018 Craniofacial growth and development - Growth function, and adaptation of the masticatory complex (humans, monkeys)
** R01DE-04164-08 Functional properties of rabbit jaw muscles (rabbit)
R01DE-04166-16 Oral pharyngeal reflexes (cats, human)
R01DE-04531-08 Strain in the facial bones (monkeys)
R01DE-04940-07 Muscular disorders in craniofacial malformations (human)
** R01DE-05232-07 Musculoskeletal adaptation to increased midfacial height (monkeys)
R01DE-05396-05 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-05738-05 Mastication, food transport, and swallowing in primates (cats, monkeys)
** R01DE-05905-04 Neural organization of complex muscles (swine)
** R01DE-06000-05 Effect of parotid function on saliva and cells (rats)
R01DE-06193-03 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)
R23DE-06618-02 Properties of motor units in human mandibular muscles
** R01DE-06638-02 Complete denture service psychophysiological criteria
** R01DE-06717-01 Jaw movements and masseter activity during chewing (human)
** R23DE-06851-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)
R23DE-06874-02 Effect of intermaxillary fixation on skeletal relapse (monkeys)
P01DE-06946-02 0010 Pathophysiology of MPD and other facial pain syndromes - Tendon in normal and fatigued states (rat, human)
P01DE-06946-02 0012 Pathophysiology of MPD and other facial pain syndromes - Effect of fatigue on pH and p02 in rabbit masseter
R23DE-07351-01 Morphological basis of tongue movement and control (mammals)

DENTISTRY, ORTHODONTICS

SEE ALSO DENTAL DISORDERS, MALOCCLUSION
SEE ALSO DENTAL OCCLUSION
** P01DE-03568-11 0012 Craniofacial anomalies--Etiology and treatment - Effects of surgical-orthodontic intervention
** R01DE-03598-10 Dentofacial effects of forces to retract the maxilla (human)
R01DE-03953-11 Force systems from orthodontic appliances
R01DE-05215-07 Influences on stability following orthognathic surgerya (human)
R01DE-05321-06 Titanium alloys in dentistry
** R01DE-05410-06 Orthodontic treatment effects on craniofacial growth (human)
** R01DE-06154-03 Effects of orthodontia on psychosocial functioning (human)
** R43DE-06778-01 Videodisc and computer technology in malocclusion
** R03DE-06819-02 TMJ clicking related to orthodontic therapy

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

R23DE-06851-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)
** P01DE-06946-02 0006 Pathophysiology of MPD and other facial pain syndromes - General population survey for TMJ clicking
** P01DE-06946-02 0007 Pathophysiology of MPD and other facial pain syndromes - Incidence of TMJ clicking in preothodontic patients
R03DE-07052-01 Factors related to coping with orthognathic surgery
** R03DE-07127-01 Deactivation behavior of orthodontics wires in flexure
** R01DE-07186-01 Validation of an index to score dental aesthetics (human)

DENTISTRY, PREVENTIVE
SEE ALSO DENTAL CARIES INHIBITORS
SEE ALSO DENTAL DEPOSITS REMOVAL
SEE ALSO DENTAL DISORDERS CHEMOTHERAPY, FLUORIDE INGESTED
SEE ALSO DENTAL DISORDERS CHEMOTHERAPY, FLUORIDE TREATMENTS (TOPICAL)
SEE ALSO VACCINES, BACTERIAL, ANTI-CARIES VACCINE
R01DE-01912-22 Tooth enamel apatite at the atomic level (human)
P50DE-02600-19 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
P50DE-02670-19 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
P50DE-02670-19 0036 Institute of dental research - Dental caries preventive measures (rats)
** R01DE-03246-16 Biochemical mechanisms relevant to dentistry
R01DE-03917-10 Fluoride and the metabolism of plaque bacteria
R01DE-04235-09 Peroxidase in saliva and prevention of oral disease (human, S mutants)
R01DE-04385-10 Mechanism of dental caries
R01DE-04486-08 Kinetics and mechanisms of action of fluorides (human)
R01DE-04733-08 Secretory immune response and S mutans glucosyltransferase (mammals)
R01DE-04749-06 F-releasing and acid barrier-polymer caries therapies
** P50DE-04898-09 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
** R01DE-05129-08 Improvement of preventive and restorative materials (monkeys)
** R01DE-05354-08 Prevention of dental caries
** R01DE-05476-05 Novel peptide derived sweeteners
R01DE-05494-06 Activation of macrophages in periodontal disease (mice)
** R01DE-05497-04 Dental disease and work loss (human)
R01DE-06105-03 Using fluoride-chlorhexidine to prevent radiation caries (human)
** R23DE-06208-02 Preventive services adoption in private dental practices
R01DE-06231-03 Monoclonal antibody analysis of plaque microorganisms (mice)
R01DE-06402-03 Root caries--An in vitro model system
** R01DE-06417-02 Factors influencing long-term oral self-care (human)
R23DE-06522-03 Schooling and work setting--Effects on dental hygienists
** R01DE-06656-03 Promoting adherence to a dental regimen
** R01DE-06761-02 Prevention of surface zone limited caries of enamel
** R01DE-06895-02 Implementing preventive dental programs in schools
** R01DE-06951-02 Study of F actions on human root surface caries
R01DE-06962-02 Surface protein antigens of cariogenic streptococci
P50DE-07003-02 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)
P50DE-07003-02 0008 Rochester caries research center - Identifying caries susceptible subjects
P50DE-07010-02 0001 Specialized caries research center - Prevention of caries in overdenture abutments (humans)
** R01DE-07030-01 Epidemiology, prevention and treatment of root caries (humans)
P50DE-07117-01 0001 Periodontal disease research center - Two monitored patient groups--Clinical component
** R03DE-07306-01 Vitallium and titantium endodontic implants (monkeys)
** R03DE-07308-01 Co2 lasers in preventative dentistry - safety parameters (dogs)
** R03DE-07314-01 Genetics of streptococcus sanguis (rats)
R03DE-07319-02 Intermicroscopic correlation of remineralization
R23DE-07328-01 A quantitative study of lesion formation in animal models (also human)
R01DE-07344-01 Black-pigmented bacteroides--Drug resistance and virulence
** R03DE-07426-01 Calcium, fluoride and hydrogen ions in caries (human)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)
N01DE-22439-05 Cost of combined sealant and self-applied fluoride program
** N01DE-32400-06 NaF mouthrinsing for caries prevention
N01DE-32441-06 Effect of prenatal fluoride in preventing dental caries (human)
N01DE-32444-02 Pharmacology of intraoral fluoride-releasing device
** N01DE-42552-02 Prevent maternal transmission of streptococcus mutans (humans)

DENTISTRY, PREVENTIVE, TOOTH BRUSHING
R01DE-06418-03 Laboratory and clinical studies of dental fluorosis
** R01DE-06656-03 Promoting adherence to a dental regimen
N01DE-12433-05 Phase contrast evaluation of subgingival plaque
N01DE-22438-08 Relationship of dietary intake to caries incidence (human)
** N01DE-52556-00 Effect of brushing with fluoride gel on gingivitis

DENTISTRY, SUBGINGIVAL CURETTAGE
R01DE-06085-03 Interaction of oral spirochetes with periodontal tissues (human, rats)
P50DE-07118-01 0001 Periodontal diseases research center - Clinical studies (children)
N01DE-12433-05 Phase contrast evaluation of subgingival plaque

DENTITION DISORDERS, CONGENITAL
SEE CONGENITAL ABNORMALITIES, DENTITION

DENTURES
SEE DENTAL PROSTHESIS, DENTURES

DEOXYCHOLATES
SEE CHOLANATE SERIES, DEOXYCHOLATES

11-DEOXY-17-HYDROXYCORTICOSTERONE
SEE ADRENAL CORTEX HORMONES, 11-DEOXY-17-HYDROXYCORTICOSTERONE

DEOXYRIBONUCLEIC ACID POLYMERASE
SEE NUCLEOTIDYLTRANSFERASES, DNA NUCLEOTIDYLTRANSFERASES

DEOXYRIBONCULEIC ACID(S)
SEE NUCLEIC ACIDS, DNA

DEOXYRIBONUCLEIC ACID(S) REPLICATION
SEE NUCLEIC ACIDS SYNTHESIS, DNA

DEOXYRIBONUCLEOSIDE TRIPHOSPHATES
SEE NUCLEOTIDES, DEOXYRIBONUCLEOSIDE TRIPHOSPHATES

DEOXYRIBONUCLEOSIDE TRIPHOSPHATE DNA NUCLEOTIDYL TRANSFERASE
SEE NUCLEOTIDYLTRANSFERASES, DNA NUCLEOTIDYLTRANSFERASES

DEOXYURIDINE
SEE PYRIMIDINE NUCLEOSIDES, URACIL NUCLEOSIDES, DEOXYURIDINE

DEPAKENE
SEE CARBOXYLIC ACIDS, 2-PROPYL VALERIC ACID

DEPAKINE
SEE CARBOXYLIC ACIDS, 2-PROPYL VALERIC ACID

DEPENDENCY
SEE SOCIAL SELF-RELIANCE, DEPENDENCY-INDEPENDENCY

DEPENDENCY, EMOTIONAL
SEE PSYCHOLOGY, EMOTIONAL DEPENDENCY-INDEPENDENCY

DEPOLYMERIZATION
SEE MOLECULAR CONDENSATIONS, POLYMERIZATION-DEPOLYMERIZATION

DEPRESSION
SEE PSYCHOLOGY, EMOTIONS, DEPRESSION

DERMATOGLYPHICS
SEE SKIN, DERMATOGLYPHICS

DESENSITIZATION PSYCHOTHERAPY
SEE PSYCHOTHERAPY, DESENSITIZATION

DESIGN OF BIOMATERIALS
SEE BIOMATERIALS, DEVELOPMENT AND PREPARATION OF BIOMATERIALS

DESIGN OF DIAGNOSTIC TESTS
SEE DIAGNOSIS, DIAGNOSTIC TESTS, DESIGN, DEVELOPMENT AND EVALUATION OF DIAGNOSTIC TESTS*

DESIGN OF MODELS
SEE MODELS, DESIGN AND DEVELOPMENT OF MODELS

DESMOSOMES
SEE CELL-CELL INTERACTION, INTERCELLULAR CONNECTIONS-JUNCTIONS

DETERGENTS
SEE PHYSICAL PROPERTIES, SURFACTANTS, DETERGENTS

DEVELOPMENT (BIOLOGICAL)
SEE CELL DIFFERENTIATION
SEE CHILD DEVELOPMENT (NON-PSYCHOLOGICAL)
SEE CHILD MENTAL DEVELOPMENT
SEE GROWTH AND DEVELOPMENT

DEVELOPMENT (NON-BIOLOGICAL)
SEE BIOMATERIALS, DEVELOPMENT AND PREPARATION OF BIOMATERIALS
SEE CHEMICAL SYNTHESIS, DESIGN AND PRODUCTION (GENERAL)
SEE DIAGNOSIS, DIAGNOSTIC TESTS, DESIGN, DEVELOPMENT AND EVALUATION OF DIAGNOSTIC TESTS*
SEE DRUGS SYNTHESIS, DESIGN AND PRODUCTION

DEVELOPMENT OF BIOMATERIALS
SEE BIOMATERIALS, DEVELOPMENT AND PREPARATION OF BIOMATERIALS

DEVELOPMENT OF DIAGNOSTIC TESTS
SEE DIAGNOSIS, DIAGNOSTIC TESTS, DESIGN, DEVELOPMENT AND EVALUATION OF DIAGNOSTIC TESTS*

DEVELOPMENT OF DRUGS
SEE DRUGS SYNTHESIS, DESIGN AND PRODUCTION

DEVELOPMENT OF MODELS
SEE MODELS, DESIGN AND DEVELOPMENT OF MODELS

DEVELOPMENTAL DISORDERS (INTRAUTERINE FAILURE TO THRIVE)
SEE PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

DEVELOPMENTAL GENETICS
SEE GENETICS, DEVELOPMENTAL GENETICS

DEVELOPMENTAL NEUROLOGY
SEE NEUROLOGY, DEVELOPMENTAL

DEVELOPMENTAL NUTRITION (GENERAL)
SEE NUTRITION, DEVELOPMENTAL NUTRITION

DEVELOPMENTAL PHARMACOLOGY (DRUG ADVERSE EFFECTS FETAL)
SEE PREGNANCY, EMBRYO-FETUS DRUGS ADVERSE EFFECTS

DEVELOPMENTAL PSYCHOLOGY (CHILD MENTAL DEVELOPMENT)
SEE CHILD MENTAL DEVELOPMENT

DEXAMETHASONE
SEE ADRENAL CORTEX HORMONES ANALOGS, DEXAMETHASONE

DEXTRAN
SEE HEXOSANS, GLUCANS, DEXTRAN

DIABETES (INCLUDING NON-INBORN CASES)
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES

DIABETES, DRUG INDUCED
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, DRUG-INDUCED
SEE DRUGS ADVERSE EFFECTS

DIABETES, JUVENILE
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, INSULIN-DEPENDENT DIABETES

DIABETES ASSOCIATED (HISTOCOMPATIBILITY) ANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS), ANTIGENS OF DIABETES

DIABETES GENES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, GENETICS AND DIABETES

DIABETES MELLITUS
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES

DIABETES THERAPY
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES THERAPY

DIABETIC NEPHROPATHIES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETIC NEPHROPATHIES

DIABETIC RETINOPATHY
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETIC OCULOPATHY, DIABETIC RETINOPATHY

DIAGNOSTIC ACCURACY
SEE DIAGNOSTIC QUALITY-STANDARDS

DIAGNOSTIC ERRORS
SEE DIAGNOSTIC QUALITY-STANDARDS

DIAGNOSTIC QUALITY-STANDARDS
** R01DE-06856-02 Arthrophonometry of the temporomandibular joint (human)
R03DE-07413-01 Pressure algometer for MPD--Reliability and validity

DIAGNOSTIC SERVICES, MASS SCREENING
R03DE-07283-01 Diabetes risk assessment in the elderly dental patient

DIAGNOSIS, DIAGNOSTIC TESTS, DESIGN, DEVELOPMENT AND EVALUATION OF DIAGNOSTIC TESTS*
** P01DE-06946-02 0004 Pathophysiology of MPD and other facial pain syndromes - Xeroradiographic tomography of the temporomandibular joint
** R03DE-07275-01 Measurement of polyamines in gingival crevicular fluid (human)

(contd).

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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R43DE-07395-01 Improved X rays for the diagnosis of periodontal disease
** R03DE-07413-01 Pressure algometer for MPD--Reliability and validity
** R43DE-07528-01 Immuno-diagnostic probe for periodontitis

DIAGNOSTIC TESTS, BIOPSY*
** R03DE-07123-01 Role of cytomegalovirus in Sjogren's syndrome

DIAGNOSTIC TESTS, EARLY DIAGNOSIS*
P50DE-02731-19 0037 Development support for dental research institute - Surface science laboratory
** R01DE-07204-01 Family studies of early onset periodontitis (human)
R43DE-07395-01 Improved X rays for the diagnosis of periodontal disease

DIAGNOSTIC TESTS, NON-INVASIVE*
R03DE-06817-02 Maxillary expansion using laser speckiegrammetry (human)
R01DE-06856-02 Arthrophonometry of the temporomandibular joint (human)
R03DE-07019-02 Ultrasonic detection of oral markers (human)
R03DE-07440-01 Spatiotemporal mapping of trigeminal evoked potentials (human)

DIAGNOSTIC TESTS, RAPID DIAGNOSIS*
R43DE-07528-01 Immuno-diagnostic probe for periodontitis

DIAGNOSTIC ULTRASOUND
SEE PHYSICAL PROPERTIES, SOUND, ULTRASOUND, DIAGNOSTIC

DIAMINES
SEE AMINES, DIAMINES

DIAMINO ACIDS, ARGININE
R01DE-01554-24 Host factors in caries resistance (human, bacteria)
P50DE-02668-19 0190 Regional dental research center - Thrombin and prothrombin

DIAMINO ACIDS, LYSINE
R01DE-01554-24 Host factors in caries resistance (human, bacteria)
P50DE-02668-19 0190 Regional dental research center - Thrombin and prothrombin

DIAMOX
SEE SULFONAMIDES, ACETAZOLAMIDE

DIASTASES
SEE CARBOHYDRASES, AMYLASE

DIAZEPAM
SEE AZEPINES, BENZODIAZEPINES, DIAZEPAM

DIBENZANTHRENES
SEE CYCLICS, CARBOPOLYCYCLICS, BENZANTHRACENES

DICARBOXYLIC ACIDS, GLUTARATES
R03DE-06714-02 New approach to fixation of human pulp and dentine

DICARBOXYLIC ACIDS, OXALATES
** R01DE-05129-08 Improvement of preventive and restorative materials (monkeys)
R01DE-06427-04 Permeability characteristics of dentin (dogs, human)

DICARBOXYLIC ACIDS, SUCCINIC ACID
SEE ALSO OXIDOREDUCTASES, SUCCINATE:(ACCEPTOR) OXIDOREDUCTASE
R01DE-06216-03 Gene-environment interactions in cleft lip mice (monkeys)

DICARBOXYLIC AMINO ACIDS, ASPARTIC ACID
** R01DE-05476-05 Novel peptide derived sweeteners
R23DE-06896-02 Nonenzymatic reactions in human dentin proteins

DICARBOXYLIC AMINO ACIDS, GLUTAMATES, GAMMA-CARBOXYGLUTAMIC ACID
P50DE-02670-19 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)

2,3-DIDEHYDRO-L-THREO-HEXANO-1,4-LACTONE
SEE VITAMINS, VITAMIN C, ASCORBIC ACID

DIELECTRIC CHARGES IN TRANSPORT ENERGETICS
SEE BIOLOGICAL TRANSPORT, TRANSPORT ENERGETICS

DIET
SEE NUTRITION, DIET

DIET AND CANCER
SEE NEOPLASTIC THERAPY, NUTRITIONAL THERAPY OF CANCER

DIET PATHOGENIC
SEE NUTRITION, DIET PATHOGENIC

DIET THERAPEUTIC
SEE NUTRITION, DIET THERAPEUTIC

DIET THERAPY OF CANCER
SEE NEOPLASTIC THERAPY, NUTRITIONAL THERAPY OF CANCER

DIETARY CALCIUM
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY CALCIUM

DIETARY CARBOHYDRATES
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY CARBOHYDRATES

DIETARY CONSTITUENTS
SEE NUTRITION, DIETARY CONSTITUENTS (GENERAL)

DIETARY DEFICIENCY
SEE NUTRITIONAL ABNORMALITIES, MALNUTRITION (GENERAL)

DIETARY IRON
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY IRON

DIETARY LIPIDS
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY LIPIDS

DIETARY METALS
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY TRACE ELEMENTS AND MINERALS

DIETARY MINERALS
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY TRACE ELEMENTS AND MINERALS

DIETARY NUTRIENTS, GASTROINTESTINAL ABSORPTION
SEE GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT, DIETARY NUTRIENTS

DIETARY POTASSIUM
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY POTASSIUM

DIETARY PROTEINS
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY PROTEINS

DIETARY REQUIREMENTS
SEE NUTRITIONAL REQUIREMENTS

DIETARY SALTS
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY SALTS

DIETARY SUGARS
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY CARBOHYDRATES

DIETARY SUPPLEMENTS
SEE NUTRITIONAL REQUIREMENTS, DIETARY SUPPLEMENTS

DIETARY SWEETENERS, ARTIFICIAL
SEE FOOD, SWEETENING AGENTS

DIETARY TRACE ELEMENTS AND MINERALS
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY TRACE ELEMENTS AND MINERALS

DIFFERENTIATION
SEE CELL DIFFERENTIATION
SEE GROWTH AND DEVELOPMENT, HISTOGENESIS

DIFFUSION
SEE BIOLOGICAL TRANSPORT, PASSIVE TRANSPORT, DIFFUSION
SEE PHYSICAL PROPERTIES, DIFFUSION

DIFFUSION HORMONES
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

DIGEORGE SYNDROME
SEE BLOOD AND RE DISORDERS, THYMUS DYSFUNCTION OR ABSENCE, DIGEORGE SYNDROME

DIGESTANTS (GENERAL)
SEE GASTROINTESTINAL AGENTS, DIGESTANTS (GENERAL)

DIGLYCERIDES
SEE LIPIDS, GLYCERIDES, DIGLYCERIDES

1,25-DIHYDROXYCHOLECALCIFEROL
SEE VITAMINS, VITAMIN D, 1,25-DIHYDROXYCHOLECALCIFEROL

DIHYDROXYISOVALERIC ACID
SEE FATTY ACIDS

DIHYDROXYPHENYLALANINE
SEE CYCLIC AMINO ACIDS, DOPA

DILANTIN
SEE IMIDAZOLEDIONES, HYDANTOINS, DIPHENYLHYDANTOIN

DIMETHYLBENZANTHRACENES
SEE CYCLICS, CARBOPOLYCYCLICS, BENZANTHRACENES

7,8-DIMETHYL-10-(1'-D-RIBITYL) ISOALLOXAZINE
SEE VITAMINS, RIBOFLAVIN

DIMETHYLSULFOXIDE
SEE SULFOXIDES, DIMETHYL SULFOXIDE

DIMETHYLTOCOLS
SEE VITAMINS, VITAMIN E, TOCOLS

DIMORPHISM; POLYMORPHISM (BIOLOGY)
SEE BIOLOGY, POLYMORPHISM

DIMORPHISM, SEXUAL (MICROORGANISM)
SEE REPRODUCTION MICROORGANISMS, SEXUAL DIMORPHISM-HETEROGAMY

DIPEPTIDES
SEE PEPTIDES, DIPEPTIDES

DIPEPTIDYL CARBOXYPEPTIDASE
SEE PROTEASES AND PEPTIDASES, DIPEPTIDYL CARBOXYPEPTIDASE

DIPHENYLHYDANTOIN
SEE IMIDAZOLEDIONES, HYDANTOINS, DIPHENYLHYDANTOIN

DIPHOSPHONATES
SEE PHOSPHONATES, DIPHOSPHONATES

DIPHOSPHOPYRIDINE NUCLEOTIDE (REDUCED)
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NAD(H2)

DIPROPYLACETIC ACID
SEE CARBOXYLIC ACIDS, 2-PROPYL VALERIC ACID

DISABLED CHILDREN
SEE CHILDREN, HANDICAPPED CHILDREN

DISACCHARIDES, SUCROSE
R01DE-01554-24 Host factors in caries resistance (human, bacteria)
P50DE-02623-18 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
** P01DE-02847-17 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
R01DE-03258-14 Cloning of streptococcus mutans genes (human, rabbits)
R01DE-03578-14 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-03739-13 Glycosyltransferases from oral bacteria
R01DE-04321-11 Cell adherence of dental plaque forming streptococci (rabbits)
** R01DE-05966-04 Mechanisms of sugar transport in streptococcus mutans
P50DE-07003-02 0003 Rochester caries research center - Genetics of Streptococcus mutans
R03DE-07299-01 Ultramicro analysis of plaque samples from single sites
R23DE-07318-01 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
R23DE-07388-01 Glucan-mediated intraoral demineralization by S mutans (human)
R03DE-07405-01 Model for root caries following alveolar bone loss
N01DE-42552-02 Prevent maternal transmission of streptococcus mutans (humans)

DISEASE CLASSIFICATION
** P01DE-03568-11 0010 Craniofacial anomalies--Etiology and treatment - Components of syndromes and their classification (human)
** P01DE-03568-11 0011 Craniofacial anomalies--Etiology and treatment - Development or growth patterns in craniofacial anomalies (human)
R01DE-07197-01 Epidemiologic studies of temporomandibular disorders (human)

DISEASE CONTROL AND EPIDEMIOLOGY STUDY SECTION
SEE EPIDEMIOLOGY AND DISEASE CONTROL STUDY SECTION

DISEASE CONTROL, COMMUNICABLE (INFECTIOUS) DISEASES
SEE COMMUNICABLE DISEASE CONTROL

DISEASE MODELS
SEE MODELS, DISEASE MODELS

DISEASE PREVENTION AND CONTROL
SEE HEALTH, DISEASE PREVENTION AND CONTROL

DISEASE PRONENESS-RISK
SEE ALSO NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS, CANCER RISK
SEE ALSO POPULATION STUDIES HUMAN, EPIDEMIOLOGY
R01DE-01554-24 Host factors in caries resistance (human, bacteria)
** P50DE-02670-19 0020 Institute of dental research - Effects of trace elements on tooth development and caries
P50DE-02670-19 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology
** R01DE-05622-04 Rx for dental patients at risk for endocarditis (dentists)
R01DE-06069-03 A genetic study of cleft lip and cleft palate in Hawaii
R01DE-06551-02 Stress, host factors, and acute necrotizing gingivitis (human)
** P50DE-07003-02 0008 Rochester caries research center - Identifying caries susceptible subjects
** P50DE-07009-02 0001 Specialized caries research centers - Clinical studies of root caries (human)
R01DE-07197-01 Epidemiologic studies of temporomandibular disorders (human)
R01DE-07204-01 Family studies of early onset periodontitis (human)
** R03DE-07283-01 Diabetes risk assessment in the elderly dental patient
R03DE-07301-01 Congenital effects of low mercury and lead exposure (human)
R03DE-07433-01 Periodontosis--A defect in PMN actin polymerization (human)

DISEASE RECURRENCE
R01DE-06069-03 A genetic study of cleft lip and cleft palate in Hawaii
R01DE-06551-02 Stress, host factors, and acute necrotizing gingivitis (human)

(contd)

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**Oriented significantly to above subject.

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DISEASE REGISTRIES (CLINICAL DISEASE)
SEE HEALTH RECORD SYSTEMS, PATIENT (DISEASE) REGISTRIES

DISEASE TRANSMISSION (COMMUNICABLE DISEASE)
SEE COMMUNICABLE DISEASE TRANSMISSION

DISEASES (SYMPTOMS AND GENERAL PATHOLOGY) --SEE ALSO SPECIFIC BODY SYSTEM DISEASES AND
SEE ALSO BACTERIAL DISEASES
SEE ALSO BACTERIAL DISEASES, SPIROCHETAL DISEASES (GENERAL)
SEE ALSO CONGENITAL ABNORMALITIES
SEE ALSO GROWTH DISORDERS POSTNATAL (SEE ALSO APPROPRIATE SPECIFICS)
SEE ALSO HEALTH (ALSO PHYSICAL ACTIVITY)
SEE ALSO HISTOPATHOLOGY (GENERAL)*
SEE ALSO NUTRITIONAL ABNORMALITIES
SEE ALSO OCCUPATIONAL HEALTH, OCCUPATIONAL DISEASES
SEE ALSO POPULATION STUDIES HUMAN, MORBIDITY
SEE ALSO PREGNANCY DISORDERS
R01DE-06437-03 Incidence and prevalence of root caries in the elderly (human)

DISEASES, ACUTE (GENERAL)
** P01DE-05130-06 0006 Dental/orotacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
R01DE-06427-04 Permeability characteristics of dentin (dogs, human)
** R01DE-06551-02 Stress, host factors, and acute necrotizing gingivitis (human)
R01DE-06622-02 Molecular mechanisms of periodontal disease

DISEASES, CHRONIC (GENERAL)
SEE ALSO BACTERIAL DISEASES
SEE ALSO CARBOHYDRATES METABOLISM DISORDERS, DIABETES
SEE ALSO CONNECTIVE TISSUE DISORDERS, COLLAGEN DISEASES
SEE ALSO CONNECTIVE TISSUE DISORDERS, LUPUS ERYTHEMATOSUS SYSTEMIC
SEE ALSO IMMUNOPATHOLOGY, IMMUNOLOGIC DEFICIENCY DISORDERS
SEE ALSO NERVOUS DISORDERS, MYELINOPATHIES, MULTIPLE SCLEROSIS
SEE ALSO SKELETAL DISORDERS, ARTHRITIS
SEE ALSO VIRUS DISEASE CHARACTERISTICS, LATENT DORMANT OR SLOW
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)
R01DE-05626-05 Role of complement in periodontal disease
R01DE-06427-04 Permeability characteristics of dentin (dogs, human)
R23DE-06524-02 The pathogenesis of chronic oral candidiasis in the rat
** R01DE-06622-02 Molecular mechanisms of periodontal disease
R01DE-06725-02 Anatomical studies of sensory trigeminal nuclei (rats)
R03DE-07413-01 Pressure algometer for MPD--Reliability and validity
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

DISEASES, COMPLICATIONS
SEE ALSO NEOPLASMS, CANCER COMPLICATIONS OF
P01DE-01850-22 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
R01DE-05501-04 Platelet Streptococcal interactions in endocarditis (human, rabbits)
R01DE-05990-02 Periodontitis, leukocyte function and diabetic status (human)
R01DE-06514-04 Oral diseases and diabetes in the Gila River Indian Community

DISEASES, COMPLICATIONS, ANESTHESIA RELATED
** R01DE-07011-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
** R01DE-07696-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

DISEASES, COMPLICATIONS, POSTOPERATIVE
** R01DE-05369-07 Factors affecting dental postoperative pain (human)

DISEASES, DISABLING, HANDICAPPED
SEE ALSO CHILDREN, HANDICAPPED CHILDREN
** R03DE-07307-01 University of Mississippi dental care unit--Field testing

DISEASES, PATHOLOGIC PROCESSES (NOT CLASSIFIED ELSEWHERE)
P50DE-05139-08 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05501-04 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
R23DE-06524-02 The pathogenesis of chronic oral candidiasis in the rat
** R01DE-06622-02 Molecular mechanisms of periodontal disease
R01DE-07204-01 Family studies of early onset periodontitis (human)
** R23DE-07328-01 A quantitative study of lesion formation in animal models (also human)

DISEASES, PATHOLOGIC PROCESSES, INFLAMMATION
SEE ALSO GASTROINTESTINAL DISORDERS, INFLAMMATORY BOWEL DISEASE
R01DE-02320-20 Clinical behavior of dental restorative materials (human)
P50DE-02600-19 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
P50DE-02623-18 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
** R01DE-03318-14 The molecular nature of gingival and mucosal collagen (rats)
** R01DE-03738-13 Humoral and cellular mediators of inflammation (human, mammals)
R01DE-03987-11 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-04096-07 Biocompatibility of endodontic materials (guinea pigs, rats, monkeys)
P50DE-04881-09 0001 Clinical research in periodontal disease - Diagnosis and treatment of destructive periodontal diseases (human)
P50DE-05139-08 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)
R01DE-05494-06 Activation of macrophages in periodontal disease (mice)
R01DE-05626-05 Role of complement in periodontal disease
R01DE-05817-05 Cellular mechanisms of collagen breakdown (human, animals)
R01DE-05990-02 Periodontitis, leukocyte function and diabetic status (human)
R01DE-06028-02 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R01DE-06622-02 Molecular mechanisms of periodontal disease
R01DE-06860-02 Complement monocyte interactions in periodontal disease
R44DE-06932-02 A periodontal temperature probe (human)
** P50DE-07118-01 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
** R03DE-07170-01 Pharmacological control of post-operative swelling (human)
R43DE-07261-01 Dimethylsuberimidate as a pulpotomy agent (rats)
R03DE-07278-01 Laminin and immune intervention in periodontal disease
R01DE-07376-01 Biochemical profile for gingival crevicular fluid
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)
R23DE-07681-01 Cell growth and bone resorption in periodontal disease (rats, cattle)

DISEASES, PATHOLOGIC PROCESSES, INFLAMMATION, ANTIINFLAMMATORY AGENTS
** P50DE-04881-09 0004 Clinical research in periodontal disease - Bone destruction in periodontal disease (human)
R03DE-07012-02 Therapeutic regimens for dental surgery
R03DE-07170-01 Pharmacological control of post-operative swelling (human)

DISEASES, PATHOLOGIC PROCESSES, NECROSIS
SEE ALSO CELL DEATH
** R01DE-06551-02 Stress, host factors, and acute necrotizing gingivitis (human)

DISEASES, PATHOLOGY (GENERAL)*
SEE ALSO HISTOPATHOLOGY (GENERAL)*
** R23DE-06524-02 The pathogenesis of chronic oral candidiasis in the rat

DISEASES, PROGNOSIS
P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
R01DE-07008-03 Herpes virus antibodies in patients with oral cancer
R01DE-07197-01 Epidemiologic studies of temporomandibular disorders (human)

DISEASES, SIGNS-SYMPTOMS (NOT GROUPED ELSEWHERE)
** R03DE-07024-02 Oral signs and symptoms in bulimic patients
R01DE-07197-01 Epidemiologic studies of temporomandibular disorders (human)

DISORDERS
SEE DISEASES (SYMPTOMS AND GENERAL PATHOLOGY) --SEE ALSO SPECIFIC BODY SYSTEM DISEASES AND

DISPLEASURE
SEE PSYCHOLOGY, EMOTIONS, PLEASURE-DISPLEASURE (GENERAL)

DISSECTION
SEE SURGERY, MICROSURGERY AND MICRODISSECTION

DISSOCIATION (REACTIONS) CHEMISTRY
SEE CHEMICAL REACTIONS, DISSOCIATION ASSOCIATION

DISULFIDE BONDS
SEE CHEMICAL BONDS, DISULFIDE BONDS

DIURNAL VARIATION
SEE BIOPERIODICITY, CIRCADIAN RHYTHMS

DL-A LOCUS (DOG)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

DNA
SEE NUCLEIC ACIDS, DNA

CDNA
SEE NUCLEIC ACIDS, COMPLEMENTARY DNA

DNA, RECOMBINANT, ARTIFICIALLY INDUCED
SEE GENETIC MANIPULATION

DNA, RECOMBINANT, NATURALLY OCCURRING
SEE NUCLEIC ACIDS, SYNTHETIC NUCLEIC ACIDS, HYBRID NUCLEIC ACIDS

DNA BACTERIAL
SEE NUCLEIC ACIDS, DNA BACTERIAL

DNA BIOSYNTHESIS
SEE NUCLEIC ACIDS SYNTHESIS, DNA

DNA CLONING
SEE GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING

DNA GLYCOSYLASES
SEE NUCLEASES, REPAIR NUCLEASES

DNA LIBRARIES
SEE GENETICS, GENETIC LIBRARIES

DNA LIGASE (REPAIRASE)
SEE NUCLEASES, REPAIR NUCLEASES

DNA MANIPULATION (TRANSFER TO FOREIGN HOSTS)
SEE GENETIC MANIPULATION

DNA NUCLEOTIDYLTRANSFERASE
SEE NUCLEOTIDYLTRANSFERASES, DNA NUCLEOTIDYLTRANSFERASES

DNA POLYMERASE
SEE NUCLEOTIDYLTRANSFERASES, DNA NUCLEOTIDYLTRANSFERASES

DNA PROBE
SEE NUCLEIC ACIDS, DNA PROBE

DNA REPAIR ENZYMES
SEE NUCLEASES, REPAIR NUCLEASES

DNA REPLICATION
SEE NUCLEIC ACIDS SYNTHESIS, DNA

DNA TRANSFER, ARTIFICIALLY INDUCED
SEE GENETIC MANIPULATION

DNA VIRAL
SEE NUCLEIC ACIDS, DNA VIRAL

DOCUMENTATION SYSTEMS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

DOMINANT DISORDERS, GENETIC
SEE GENETIC DISORDERS, AUTOSOMAL DOMINANT CONDITIONS

DOPA
SEE CYCLIC AMINO ACIDS, DOPA

DOPAMINERGIC RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS, DOPAMINERGIC RECEPTORS

DORMANT VIRUS DISEASES
SEE VIRUS DISEASE CHARACTERISTICS, LATENT DORMANT OR SLOW

DORSAL COLUMN STIMULATOR (ELECTROANALGESIA)
SEE SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA

DORSAL ROOT
SEE NERVOUS SYSTEM CENTRAL, SPINAL CORD, DORSAL ROOT

DOSAGE
SEE DOSAGE AND ROUTE, DOSAGE

DOSAGE, RADIATION
SEE RADIATION DOSAGE AND DOSIMETRY

DOSAGE, RADIOTHERAPY
SEE RADIATION DOSAGE AND DOSIMETRY, RADIATION THERAPY DOSAGE

DOSAGE AND ROUTE, DOSAGE
SEE ALSO DRUGS, PHARMACOLOGY, BIOAVAILABILITY
SEE ALSO RADIATION DOSAGE AND DOSIMETRY
R01DE-07011-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
P50DE-07117-01 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology
R43DE-07261-01 Dimethylsuberimidate as a pulpotomy agent (rats)

(contd).

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

R03DE-07412-01 Effect of zinc on intestinal absorption of calcium (human)
R01DE-07696-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

DOSAGE AND ROUTE, PERFUSION
R01DE-06894-01 Nitrous oxide and endorphins (rats)

DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION
R01DE-06000-05 Effect of parotid function on saliva and cells (rats)
N01DE-52555-00 Methods for the intraoral fluoride-releasing device

DOSAGE FORMS
SEE ALSO DENTAL CARIES INHIBITORS, SLOW RELEASE
SEE ALSO DRUGS, PHARMACOLOGY, BIOAVAILABILITY
** N01DE-52556-00 Effect of brushing with fluoride gel on gingivitis

DOSAGE SCHEDULE
SEE DOSAGE AND ROUTE, DOSAGE

DOSIMETRY, RADIATION
SEE RADIATION DOSAGE AND DOSIMETRY

DOSIMETRY, RADIOTHERAPY
SEE RADIATION DOSAGE AND DOSIMETRY, RADIATION THERAPY DOSAGE

DRINKING BEHAVIOR (ALCOHOL)
SEE ALCOHOLISM - DRINKING, ALCOHOL CONSUMPTION

DRINKING WATER
SEE WATER SUPPLY

DRIVE
SEE PSYCHOLOGY, MOTIVATION

DROPSY
SEE BODY FLUID BALANCE, EDEMA

DRUG BIOAVAILABILITY
SEE DRUGS, PHARMACOLOGY, BIOAVAILABILITY

DRUG DELIVERY SYSTEMS
SEE DRUGS, DRUG DELIVERY SYSTEMS

DRUG DELIVERY SYSTEM USING IONTOPHORESIS
SEE DRUGS, DRUG DELIVERY SYSTEMS

DRUG DESIGN
SEE DRUGS SYNTHESIS, DESIGN AND PRODUCTION

DRUG INDUCED CONGENITAL ABNORMALITIES
SEE CONGENITAL ABNORMALITIES, DRUG INDUCED

DRUG-INDUCED DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, DRUG-INDUCED

DRUG INTERACTIONS WITH NUTRIENTS
SEE NUTRIENTS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION

DRUG METABOLISM
SEE DRUGS, PHARMACOLOGY, BIOCHEMICAL

DRUGS, BLOOD(PLASMA) LEVEL
SEE DRUGS, PHARMACOLOGY, BIOAVAILABILITY

DRUGS, CHEMOTHERAPY
SEE ALSO COMMUNICABLE DISEASES CHEMOTHERAPY
SEE ALSO CONNECTIVE TISSUE DISORDERS CHEMOTHERAPY
SEE ALSO DENTAL DISORDERS CHEMOTHERAPY
SEE ALSO DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION
SEE ALSO DRUGS, PHARMACOLOGY
SEE ALSO DRUGS, PHARMACOLOGY, BIOAVAILABILITY
SEE ALSO IMMUNITY, IMMUNOTHERAPY, IMMUNOCONJUGATES
SEE ALSO KIDNEY DISORDERS CHEMOTHERAPY
SEE ALSO NEOPLASTIC THERAPY, CANCER CHEMOTHERAPY
SEE ALSO NUTRITIONAL DISORDERS CHEMOTHERAPY
SEE ALSO PREGNANCY, EMBRYO-FETUS CHEMOTHERAPY
SEE ALSO SKELETAL DISORDERS CHEMOTHERAPY
** P50DE-07003-02 0006 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
R23DE-07233-01 Multivariate analysis of saliva antimicrobial proteins (humans)

DRUGS, CHEMOTHERAPY, DRUGS COMBINATION
R01DE-03666-09 X-ray therapeutic index for salivary glands (rodents, human)
R01DE-05369-07 Factors affecting dental postoperative pain (human)

DRUGS, DRUG DELIVERY SYSTEMS
SEE ALSO IMMUNITY, IMMUNOTHERAPY, IMMUNOCONJUGATES
** R01DE-05334-05 Periodontal therapy by controlled local drug delivery (human)
N01DE-52555-00 Methods for the intraoral fluoride-releasing device

DRUGS, GASTROINTESTINAL ABSORPTION
SEE GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT, DRUGS

DRUGS, PHARMACOLOGY
SEE ALSO CHEMICAL STRUCTURE--BIOLOGICAL ACTIVITY
SEE ALSO DENTAL PHARMACOLOGY
SEE ALSO DRUGS, CHEMOTHERAPY
SEE ALSO DRUGS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
SEE ALSO NEUROPHARMACOLOGY
SEE ALSO PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL)
** R01DE-05764-06 Cellular pharmacology of salivary secretion (rats, ducks)

DRUGS, PHARMACOLOGY, BIOAVAILABILITY
SEE ALSO DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION
SEE ALSO GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT, DRUGS
R01DE-05334-05 Periodontal therapy by controlled local drug delivery (human)
R01DE-06113-05 Determinants of fluoride in the oral environment (dogs, rats)
** R01DE-06427-04 Permeability characteristics of dentin (dogs, human)
R01DE-06429-04 Influence of acid-base status on fluoride metabolism (mammals)
R13DE-07273-01 Topical fluorides--Opimizing safety and efficacy
N01DE-52555-00 Methods for the intraoral fluoride-releasing device

DRUGS, PHARMACOLOGY, BIOCHEMICAL
SEE ALSO CHEMICAL STRUCTURE--BIOLOGICAL ACTIVITY
SEE ALSO DRUGS RECEPTORS
** R01DE-06216-03 Gene-environment interactions in cleft lip mice (monkeys)
R01DE-06541-03 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)
R01DE-06738-02 Fluoride effect on human tooth root caries (rats)
R03DE-06916-01 Oral herpes simplex in immunocompromised patients
R01DE-07011-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
** R03DE-07297-01 Mechanism of action of phenytoin (human, rats)
R01DE-07696-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

DRUGS ADDICTION ANTAGONISTS
R01DE-06894-01 Nitrous oxide and endorphins (rats)

DRUGS ADVERSE EFFECTS
SEE ALSO CARBOHYDRATES METABOLISM DISORDERS, DIABETES, DRUG-INDUCED
SEE ALSO CONGENITAL ABNORMALITIES, DRUG INDUCED
SEE ALSO DISEASES, COMPLICATIONS, ANESTHESIA RELATED
SEE ALSO DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION
SEE ALSO DRUGS, PHARMACOLOGY, BIOAVAILABILITY
SEE ALSO PREGNANCY, EMBRYO-FETUS DRUGS ADVERSE EFFECTS
** P50DE-02600-19 0034 Support for oral biology research center - Salivary and oral mucosal changes after chemotherapeutic drugs (human)
P50DE-02668-19 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
R01DE-04622-09 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-05334-05 Periodontal therapy by controlled local drug delivery (human)
** R01DE-06216-03 Gene-environment interactions in cleft lip mice (monkeys)
R01DE-06429-04 Influence of acid-base status on fluoride metabolism (mammals)
** R01DE-06541-03 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)
R01DE-06634-02 Cyclosporine in craniofacial composite tissue allografts (human, mammals)
** R01DE-06671-03 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)
R03DE-06916-01 Oral herpes simplex in immunocompromised patients
** R23DE-06982-02 Biomechanical influences on condylar cartilage growth (rats)
P50DE-07003-02 0006 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
P50DE-07009-02 0001 Specialized caries research centers - Clinical studies of root caries (human)
** R01DE-07011-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
R13DE-07273-01 Topical fluorides--Opimizing safety and efficacy
** R03DE-07297-01 Mechanism of action of phenytoin (human, rats)
** R01DE-07696-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

DRUGS ADVERSE EFFECTS EMBRYO-FETAL
SEE PREGNANCY, EMBRYO-FETUS DRUGS ADVERSE EFFECTS

DRUGS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
R01DE-04235-09 Peroxidase in saliva and prevention of oral disease (human, S mutants)
R01DE-06175-03 Beta-lactamases produced by periodontal bacteria

DRUGS COMBINATION
SEE DRUGS, CHEMOTHERAPY, DRUGS COMBINATION

DRUGS RECEPTORS
SEE ALSO ENDOCRINOLOGY, HORMONE RECEPTORS
SEE ALSO NEUROTRANSMITTERS RECEPTORS, ENDORPHIN RECEPTORS
** R01DE-04622-09 Craniofacial anomalies and protein receptors (mice, rats)

DRUGS RESISTANCE
R01DE-05180-07 Regulation of surface synthesis in Streptococcus mutans
** R01DE-07344-01 Black-pigmented bacteroides--Drug resistance and virulence

DRUGS RESISTANCE, MICROBIAL
SEE ALSO GENETICS, MICROBIAL
P50DE-02731-19 0019 Development support for dental research institute - Molecular biology laboratory
P01DE-02847-17 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
R01DE-03487-14 Inhibition of human cariogenic streptococci
P50DE-04898-09 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
** R23DE-07077-01 Cell surface regulation in a cariogenic streptococci

DRUGS SCREENING AND EVALUATION
R03DE-06821-02 Regulation of bone cells three-dimensional culture models (mice)
R01DE-06866-02 Deoxyuridine metabolism in herpes labialis (rabbit, human)

DRUGS SYNTHESIS, DESIGN AND PRODUCTION
** R01DE-05476-05 Novel peptide derived sweeteners
** R01DE-06128-02 Synthesis testing of a herpesvirus antiviral agent
** R03DE-06446-02 Bifunctional reagents as alternatives to formocresol (rats, dogs, rabbits)
R01DE-06511-03 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)
** P50DE-07010-02 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents
R01DE-07378-01 Human osteoclast-activating factor (mice, rats)

DRUGS TOXICOLOGY
SEE DRUGS ADVERSE EFFECTS

DRUGS VEHICLES
SEE ALSO DRUGS, PHARMACOLOGY, BIOAVAILABILITY
** R01DE-05334-05 Periodontal therapy by controlled local drug delivery (human)
R01DE-06427-04 Permeability characteristics of dentin (dogs, human)

DURA MATER
SEE NERVOUS SYSTEM CENTRAL, MENINGES, DURA MATER

DURATION OF TREATMENT
SEE DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION

DYES, FLUORESCENT DYES AND PROBES
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOFLUORESCENCE*
R01DE-03739-13 Glycosyltransferases from oral bacteria

DYSGERMINOMA
SEE NEOPLASMS OF REPRODUCTIVE SYSTEM, GERM CELL NEOPLASMS

EAR, HEARING, AUDIOSTIMULUS
P01DE-06946-02 0013 Pathophysiology of MPD and other facial pain syndromes - Psychophysiologic response of MPD patients to pain

EAR, MIDDLE EAR, EUSTACHIAN TUBE
P01DE-01697-23 0035 A research program in craniofacial problems - Non-human primate model of cleft palate and ear disease (monkeys)
** P01DE-01697-23 0041 A research program in craniofacial problems - Effect of palate repair on eustachian tube function (human)

EAR DISORDERS, HEARING DISORDERS
P01DE-01697-23 0039 A research program in craniofacial problems - Otitis media and its consequences (human)
P01DE-01697-23 0041 A research program in craniofacial problems - Effect of palate repair on eustachian tube function (human)
** P01DE-02872-16 0064 Center for craniofacial anomalies - Audiology/otologic studies

EAR DISORDERS, MIDDLE EAR DISORDERS
** P01DE-01697-23 0035 A research program in craniofacial problems - Non-human primate model of cleft palate and ear disease (monkeys)

EAR DISORDERS, MIDDLE EAR DISORDERS, OTITIS MEDIA
** P01DE-01697-23 0039 A research program in craniofacial problems - Otitis media and its consequences (human)

(contd).

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

BEST COPY AVAILABLE

EAR SURGERY, MYRINGOPLASTY
P01DE-01697-23 0039 A research program in craniofacial problems - Otitis media and its consequences (human)

EAR SURGERY, TYMPANOPLASTY
SEE ALSO EAR SURGERY, MYRINGOPLASTY
P01DE-01697-23 0039 A research program in craniofacial problems - Otitis media and its consequences (human)

EAR (TISSUE) TRANSPLANTATION
R01DE-06634-02 Cyclosporine in craniofacial composite tissue allografts (human, mammals)

EARLY CHILDHOOD
SEE CHILDREN, PRESCHOOL (1 TO 6 YRS)

EARLY DIAGNOSIS
SEE DIAGNOSTIC TESTS, EARLY DIAGNOSIS*

EARLY EMBRYONIC STAGES
SEE EMBRYOLOGY, EARLY EMBRYONIC STAGES (1-28 DAYS)

EATING BEHAVIOR
SEE NUTRIENT INTAKE ACTIVITY, FEEDING (EATING) BEHAVIOR

EB VIRUS
SEE VIRUSES, HERPESVIRIDAE, HUMAN (GAMMA) HERPESVIRUS 4

ECOLOGY MICROORGANISMS
SEE ENVIRONMENT, ECOLOGY ORGANISMS

ECONOMICS
SEE SOCIOECONOMICS

ECTOPIC HORMONE
SEE PEPTIDES, VASOACTIVE PEPTIDES, VASOACTIVE INTESTINAL POLYPEPTIDE

ECTOPLASM
SEE CELL COMPONENTS, CYTOPLASM

EDEMA
SEE BODY FLUID BALANCE, EDEMA

EDENTULOUS MOUTH
SEE DENTAL DISORDERS, TOOTH LOSS

EDETIC ACID
SEE AMINO ACIDS, ETHYLENEDIAMINO ACIDS, EDTA

EDTA
SEE AMINO ACIDS, ETHYLENEDIAMINO ACIDS, EDTA

EDUCATION, COMPUTER ASSISTED INSTRUCTION
R43DE-06778-01 Videodisc and computer technology in malocclusion

EDUCATION, HEALTH EDUCATION, DENTAL
R01DE-06521-02 Behavioral response enhancement after periodontal surgery (human)
** R01DE-06656-03 Promoting adherence to a dental regimen
** R01DE-06895-02 Implementing preventive dental programs in schools
** N01DE-22439-05 Cost of combined sealant and self-applied fluoride program

EDUCATION, HEALTH OCCUPATIONS, DENTAL
** R01DE-05622-04 Rx for dental patients at risk for endocarditis (dentists)
** R23DE-06522-03 Schooling and work setting--Effects on dental hygienists

EDUCATION, SCHOOLS
SEE ALSO HEALTH CARE SERVICES, STUDENT HEALTH SERVICES
** N01DE-22439-05 Cost of combined sealant and self-applied fluoride program

EDUCATION, SCHOOLS, SECONDARY
R01DE-06895-02 Implementing preventive dental programs in schools

EDUCATION, SPECIAL (REMEDIAL)
** P01DE-05837-05 0005 Growth, surgical, and speech aspects of cleft palate - Psychoeducation project (human)

EDUCATION, TRAINING LEVEL
N01DE-22438-08 Relationship of dietary intake to caries incidence (human)

EDUCATION, UNIVERSITIES
** R03DE-07307-01 University of Mississippi dental care unit--Field testing

EDUCATIONAL LEVEL
SEE EDUCATION, TRAINING LEVEL

EFFERENT NERVES
SEE NERVOUS SYSTEM, EFFERENT NERVES

EGF
SEE GROWTH FACTORS (INCL. ANABOLICS), EPIDERMAL GROWTH FACTOR

EHLERS-DANLOS SYNDROME
SEE METABOLIC DISORDERS INBORN, EHLERS-DANLOS SYNDROME

EICOSANOIDS METABOLISM
SEE FATTY ACIDS METABOLISM, EICOSANOIDS METABOLISM

EICOSATETRAENOIC ACIDS
SEE FATTY ACIDS, EICOSANOIDS, ARACHIDONIC ACID

5,8,11,14-EICOSATETRAENOIC ACID
SEE FATTY ACIDS, EICOSANOIDS, ARACHIDONIC ACID

12-OH EICOSATETRAENOIC ACID
SEE FATTY ACIDS, EICOSANOIDS, ARACHIDONIC ACID

8,11,14-EICOSATRIENOATE, HYDROGEN-DONOR: OXYGEN OXIDOREDUCTASE
SEE OXIDOREDUCTASES, PROSTAGLANDIN SYNTHASE

ELASTASE
SEE PROTEASES AND PEPTIDASES, ELASTASE

ELASTICITY
SEE PHYSICAL PROPERTIES, ELASTICITY

ELASTIN
SEE FIBROUS PROTEINS, ELASTIN

ELASTOGRAPHY
SEE PHYSICAL PROPERTIES, ELASTICITY

ELASTOMERS
SEE PLASTICS, ELASTOMERS

ELDERLY, HEALH CARE SERVICES
SEE HEALTH CARE SERVICES FOR THE ELDERLY

ELECTRICAL CONDUCTION, SEMICONDUCTION
R43DE-07395-01 Improved X rays for the diagnosis of periodontal disease

ELECTRICAL FIELDS
SEE ELECTRICITY-MAGNETISM, ELECTRICAL FIELDS

ELECTRICAL MASKING OF PAIN
SEE SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA

ELECTRICAL POTENTIALS
SEE ELECTROPOTENTIALS

ELECTRICITY-MAGNETISM, ELECTRICAL FIELDS
R01DE-05945-04 Physicochemical modifications of dental restoratives

ELECTRICITY-MAGNETISM, MAGNETICS (GENERAL)
R01DE-06856-02 Arthrophonometry of the temporomandibular joint (human)

ELECTROANALGESIA
SEE SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA

ELECTROANESTHESIA
SEE SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA

ELECTROCHEMISTRY
SEE CHEMISTRY, ELECTROCHEMISTRY

ELECTRODES, HYDROGEN*
** R03DE-07426-01 Calcium, fluoride and hydrogen ions in caries (human)

ELECTRODES, MICROELECTRODES*
P50DE-07010-02 0003 Specialized caries research center - Radiotelemetric evaluation of interproximal plaque pH (human)
** R03DE-07426-01 Calcium, fluoride and hydrogen ions in caries (human)

ELECTRODIFFUSION
SEE BIOLOGICAL TRANSPORT, PASSIVE TRANSPORT, DIFFUSION

ELECTROGENIC ION PUMP
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS

ELECTROLYTE EXCHANGE AND TRANSPORT
SEE BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT

ELECTROLYTE-WATER BALANCE
SEE BODY FLUID BALANCE, IONIC

ELECTROLYTES
SEE IONS, ELECTROLYTES

ELECTROMAGNETICS
SEE ELECTRICITY-MAGNETISM, MAGNETICS (GENERAL)

ELECTROMYOGRAPHY
SEE MUSCLE FUNCTION, ELECTROMYOGRAPHY*

ELECTRON MICROSCOPY
SEE OPTICS, MICROSCOPY, ELECTRON*

ELECTRONIC RECORDING SYSTEMS
SEE BIOMEDICAL SYSTEMS AUTOMATED, ELECTRONIC RECORDING SYSTEMS

ELECTRONIC SPECTRA, FREE RADICALS
R01DE-05129-08 Improvement of preventive and restorative materials (monkeys)
R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

ELECTRONIC SPECTRA, SINGLET STATE
R01DE-06893-02 Effects of beta-carotene on salivary gland tumors (rats)

ELECTROPHILES AS CARCINOGENS
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENS, CHEMICAL

ELECTROPHYSIOLOGY
SEE ALSO BRAIN ELECTRICAL ACTIVITY
SEE ALSO ELECTROPOTENTIALS
SEE ALSO ELECTROSTIMULUS
SEE ALSO NEUROPHYSIOLOGY (GENERAL)
** P50DE-02668-19 0209 Regional dental research center - Static and dynamic properties of S-I neurons in the behaving macaque monkey
R01DE-04166-16 Oral pharyngeal reflexes (cats, human)
R01DE-05404-07 Dental pain--Studies on trigeminal nucleus caudalis (cats)
R23DE-06554-03 Organization of cortical tooth representations (monkeys)
** R01DE-06725-02 Anatomical studies of sensory trigeminal nuclei (rats)
R01DE-06904-02 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
R23DE-07695-01 Organization of cortical tooth representations (monkeys)

ELECTROPOTENTIALS
P50DE-02668-19 0209 Regional dental research center - Static and dynamic properties of S-I neurons in the behaving macaque monkey
R01DE-05945-04 Physicochemical modifications of dental restoratives
R01DE-06193-03 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)

ELECTROPOTENTIALS, ACTION POTENTIALS
R01DE-06904-02 Neuroeffector transmission in a simple salivary gland (mice, mollusks)

ELECTROPOTENTIALS, EVOKED POTENTIALS
** P01DE-05130-06 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Near and far field evoked potentials and pain reactivity (cats, monkeys)
P01DE-05130-06 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
P01DE-05130-06 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and orofacial pain in man
R01DE-06219-03 Facial behavior related to acute dental pain (human)
** P01DE-06946-02 0013 Pathophysiology of MPD and other facial pain syndromes - Psychophysiologic response of MPD patients to pain
** R03DE-07440-01 Spatiotemporal mapping of trigeminal evoked potentials (human)

ELECTROPOTENTIALS, MEMBRANE POTENTIALS
R01DE-04385-10 Mechanism of dental caries
R01DE-05354-08 Prevention of dental caries
R01DE-06904-02 Neuroeffector transmission in a simple salivary gland (mice, mollusks)

ELECTROSTIMULUS
** R01DE-04327-10 Mechanical and electrical effects on osteogenesis (rats)
P01DE-06946-02 0013 Pathophysiology of MPD and other facial pain syndromes - Psychophysiologic response of MPD patients to pain

ELECTROTHERAPY
SEE HEALTH CARE SERVICES, PHYSICAL THERAPY, ELECTROTHERAPY

ELECTROVALENT BONDS
SEE CHEMICAL BONDS, IONIC

ELEMENTS, TRACE
SEE CHEMICALS (GENERAL), ELEMENTS, TRACE ELEMENTS

ELISA
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, ENZYME-LINKED IMMUNOSORBENT ASSAY (ELISA)

EMBRYO, MAMMALIAN
SEE PREGNANCY, EMBRYO-FETUS

EMBRYO CELLS AND TISSUES
SEE EMBRYOLOGY, EMBRYO-FETAL CELLS AND TISSUES

EMBRYO CHEMOTHERAPY, MAMMALIAN
SEE PREGNANCY, EMBRYO-FETUS CHEMOTHERAPY

EMBRYO CULTURE
SEE PREGNANCY, EMBRYO-FETUS CULTURE

EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS
SEE PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

EMBRYO-FETUS DRUGS ADVERSE EFFECT
SEE PREGNANCY, EMBRYO-FETUS DRUGS ADVERSE EFFECTS

EMBRYO-FETUS TOXICOLOGY
SEE PREGNANCY, EMBRYO-FETUS TOXICOLOGY

EMBRYOLOGY, EARLY EMBRYONIC STAGES (1-28 DAYS)
** R01DE-04316-09 Environmental control of neural crest development (mouse, chick embryos)
R01DE-05550-05 Differentiation during craniofacial embryogenesis (mice)
** R01DE-05630-05 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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** R23DE-06243-03 The extracellular matrix in neural crest formation (mice, chick, rat)

EMBRYOLOGY, EMBRYO-FETAL CELLS AND TISSUES
SEE ALSO PREGNANCY, EMBRYO-FETUS
SEE ALSO TISSUE (CELL) CULTURE, EMBRYONIC-FETAL CELL LINES
** R01DE-06635-03 Tissue interactions and salivary cytodifferentiation (rats, rabbits)

EMBRYOLOGY, GERM LAYERS
SEE ALSO CONNECTIVE TISSUE, MESENCHYME
** R01DE-02774-17 Tissue interaction in palatal shelf closure (mice)

EMBRYOLOGY, MAMMALIAN EMBRYOLOGY
R01DE-04316-09 Environmental control of neural crest development (mouse, chick embryos)
R01DE-05630-05 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
R23DE-06243-03 The extracellular matrix in neural crest formation (mice, chick, rat)
R01DE-06425-02 Nutritional studies of tooth development in vitro (mice, rats)

EMBRYOLOGY, NON-MAMMALIAN EMBRYOLOGY
R01DE-04316-09 Environmental control of neural crest development (mouse, chick embryos)
R01DE-05550-05 Differentiation during craniofacial embryogenesis (mice)
R01DE-05630-05 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
R23DE-06243-03 The extracellular matrix in neural crest formation (mice, chick, rat)

EMBRYOLOGY (HUMAN) AND DEVELOPMENT STUDY SECTION
** R01DE-04622-09 Craniofacial anomalies and protein receptors (mice, rats)
** R01DE-04859-06 Tissue interactions in the cranio-facial region (mice, chick embryos)
** R23DE-06243-03 The extracellular matrix in neural crest formation (mice, chick, rat)

EMBRYONAL CARCINOMA (EXCEPT OF LIVER)
SEE NEOPLASMS OF REPRODUCTIVE SYSTEM, GERM CELL NEOPLASMS

EMBRYONIC CELL LINES
SEE TISSUE (CELL) CULTURE, EMBRYONIC-FETAL CELL LINES

EMISSION SPECTROGRAPH (LASER PROBE)
SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, LASER*

EMOTIONAL ADJUSTMENT
SEE PSYCHOLOGICAL ADAPTATION, EMOTIONAL ADJUSTMENT

EMOTIONAL DEPENDENCY-INDEPENDENCY
SEE PSYCHOLOGY, EMOTIONAL DEPENDENCY-INDEPENDENCY

EMOTIONAL STRESS
SEE STRESS

EMULSIONS (DOSAGE FORM)
SEE DOSAGE FORMS

ENAMEL
SEE DENTAL STRUCTURE, ENAMEL

ENAMEL ORGAN
SEE DENTAL STRUCTURE, ENAMEL ORGAN

ENAMEL (TOOTH) REMINERALIZATION ENHANCERS
SEE CALCIFICATION ENHANCING AGENTS

ENDOCARDITIS BACTERIAL
SEE HEART DISORDERS, ENDOCARDITIS BACTERIAL

ENDOCRINE REGULATION AND CONTROL (MECHANISMS)
SEE ENDOCRINOLOGY, HORMONAL REGULATION AND CONTROL (MECHANISMS)

ENDOCRINOLOGY, ENDOCRINE SURGERY
SEE PARATHYROIDECTOMY

ENDOCRINOLOGY, HORMONAL REGULATION AND CONTROL (MECHANISMS)
P50DE-02668-19 0213 Regional dental research center - Action of androgen on submaxillary gland function
** R01DE-04008-11 Cellular and developmental control of calcification (chick embryo)
R01DE-04724-07 Cellular events in bone remodeling (rats, mice, chickens)
R01DE-05574-05 Neural aspects of craniofacial morphogenesis (frogs)
R01DE-05990-02 Periodontitis, leukocyte function and diabetic status (human)
R01DE-06185-02 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-06397-03 Biochemical aspects of orofacial development
R01DE-06553-03 Arachidonate metabolism and orofacial development (mice)
** R03DE-06821-02 Regulation of bone cells three-dimensional culture models (mice)
** R01DE-06848-02 Androgen control of salivary gland EGF in cleft palate (mice)
R01DE-06904-02 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
** R01DE-06913-03 Modulating role of prostaglandins in salivary glands (rats)
** R01DE-06955-02 Epidermal growth factor and tooth development (mice)
** R23DE-07006-01 Synthesis of a craniofacial wound healing factor (human)
R03DE-07121-01 Acid production in craniofacial osteoclasts (mice)
** R03DE-07156-01 Regulation of dental innervation by trophic factors
R01DE-07341-01 Second messenger function in exocrine glands (rats)
R23DE-07391-01 Insulin and protein synthesis in the rat gland
R03DE-07556-01 Investigation of PDGF receptors on U20s osteosarcoma cells (tissue culture)
** R23DE-07559-01 Synthesis of a craniofacial wound healing factor (human)
R01DE-07620-01 Neural aspects of craniofacial morphogenesis (frogs)
** P01DE-07687-04 0007 Regeneration and transplantation of skeletal muscle - Hormonal regulation of muscle regeneration (rat)

ENDOCRINOLOGY, HORMONE BINDING PROTEINS
R01DE-05550-05 Differentiation during craniofacial embryogenesis (mice)
R01DE-06848-02 Androgen control of salivary gland EGF in cleft palate (mice)
** R03DE-07297-01 Mechanism of action of phenytoin (human, rats)

ENDOCRINOLOGY, HORMONE RECEPTORS
P50DE-02668-19 0213 Regional dental research center - Action of androgen on submaxillary gland function
R01DE-04622-09 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-05550-05 Differentiation during craniofacial embryogenesis (mice)
** R01DE-05764-06 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06848-02 Androgen control of salivary gland EGF in cleft palate (mice)
** R01DE-06854-02 Steroid hormone receptors in developing teeth (rats)
** R03DE-07165-01 Calcitonin receptor (mice)
R03DE-07297-01 Mechanism of action of phenytoin (human, rats)
** R23DE-07389-01 VIP receptors and submandibular gland function (rats)

ENDOCRINOLOGY, HORMONES
SEE ALSO ADRENAL CORTEX HORMONES
SEE ALSO AMINES, POLYAMINES
SEE ALSO ANDROSTANE SERIES, ANDROGENS
SEE ALSO ENDOCRINOLOGY, SOCIAL HORMONES AND PHEROMONES
SEE ALSO ENDOCRINOLOGY INVERTEBRATE, INVERTEBRATE HORMONES
SEE ALSO ESTRATRIENE SERIES, ESTROGENS
SEE ALSO GROWTH FACTORS (INCL. ANABOLICS), NERVE GROWTH FACTOR
SEE ALSO NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)
SEE ALSO PARATHYROID HORMONES
SEE ALSO PROGESTINS
SEE ALSO THYROID HORMONES
R03DE-07404-01 Collagen matrices for oral epithelium in vitro (human, rats)

ENDOCRINOLOGY, HORMONES, PEPTIDE-POLYPEPTIDE HORMONES
SEE ALSO GASTROINTESTINAL HORMONES, PANCREOZYMIN-CHOLECYSTOKININ
SEE ALSO GROWTH FACTORS (INCL. ANABOLICS), EPIDERMAL GROWTH FACTOR
SEE ALSO GROWTH FACTORS (INCL. ANABOLICS), NERVE GROWTH FACTOR
SEE ALSO PANCREAS HORMONES, INSULIN
SEE ALSO PARATHYROID HORMONES
SEE ALSO PITUITARY-DIENCEPHALON HORMONES, ENDORPHINS
SEE ALSO PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN
SEE ALSO PITUITARY-DIENCEPHALON HORMONES, VASOPRESSIN
SEE ALSO THYROID HORMONES, (THYRO)CALCITONIN
R23DE-07006-01 Synthesis of a craniofacial wound healing factor (human)
R03DE-07556-01 Investigation of PDGF receptors on U20s osteosarcoma cells (tissue culture)
R23DE-07559-01 Synthesis of a craniofacial wound healing factor (human)

ENDOCRINOLOGY, HORMONES, STEROID HORMONES
SEE ALSO ADRENAL CORTEX HORMONES
SEE ALSO ANDROSTANE SERIES, ANDROGENS
SEE ALSO ESTRATRIENE SERIES, ESTROGENS
SEE ALSO PROGESTINS
** R01DE-06854-02 Steroid hormone receptors in developing teeth (rats)
R03DE-07297-01 Mechanism of action of phenytoin (human, rats)

ENDOCRINOLOGY, HORMONES BIOSYNTHESIS
SEE ALSO PROTEINS BIOSYNTHESIS
R01DE-06397-03 Biochemical aspects of orofacial development
R01DE-06553-03 Arachidonate metabolism and orofacial development (mice)
** R23DE-07391-01 Insulin and protein synthesis in the rat gland
R03DE-07556-01 Investigation of PDGF receptors on U20s osteosarcoma cells (tissue culture)

ENDOCRINOLOGY, HORMONES METABOLISM
R01DE-06848-02 Androgen control of salivary gland EGF in cleft palate (mice)

ENDOCRINOLOGY, SOCIAL HORMONES AND PHEROMONES
P50DE-02731-19 0019 Development support for dental research institute - Molecular biology laboratory

ENDOCRINOLOGY INVERTEBRATE, INVERTEBRATE HORMONES
R01DE-05574-05 Neural aspects of craniofacial morphogenesis (frogs)
R01DE-07620-01 Neural aspects of craniofacial morphogenesis (frogs)

ENDOCYTOSIS
SEE CELL INGESTION, PHAGOCYTOSIS
SEE CELL INGESTION, PINOCYTOSIS

ENDOD
SEE PLANTS, ANGIOSPERMS, POKEWEED*

ENDODONTICS
SEE DENTISTRY, ENDODONTICS

ENDONUCLEASE
SEE NUCLEASES, ENDONUCLEASES (GENERAL)

ENDOPEROXIDES
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS

ENDOPLASM
SEE CELL COMPONENTS, CYTOPLASM

ENDOPLASMIC RETICULUM
SEE CELL COMPONENTS, ENDOPLASMIC RETICULUM

ENDORPHIN RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, ENDORPHIN RECEPTORS

ENDORPHINS
SEE PITUITARY-DIENCEPHALON HORMONES, ENDORPHINS

ALPHA-ENDORPHIN
SEE PITUITARY-DIENCEPHALON HORMONES, ENDORPHINS

BETA-ENDORPHIN
SEE PITUITARY-DIENCEPHALON HORMONES, ENDORPHINS

ENDOSSEOUS ARTIFICIAL TOOTH IMPLANT
SEE DENTAL PROSTHESIS, DENTAL IMPLANT ENDOSSEOUS

ENDOTHELIUM VASCULAR
SEE CARDIOVASCULAR SYSTEM, ENDOTHELIUM

ENDOTHELIUM VASCULAR PERMEABILITY
SEE CARDIOVASCULAR SYSTEM ENDOTHELIUM PERMEABILITY

ENDOTOXIN SHOCK
SEE BLOOD TOXICOLOGY, BACTEREMIA-SEPTICEMIA

ENDOTOXINS
SEE IMMUNOLOGY, ANTIGENS BACTERIAL, ENDOTOXINS

ENDOXAN
SEE HALOALKYLAMINES, CYCLOPHOSPHAMIDE

ENERGETICS OF BIOLOGICAL TRANSPORT
SEE BIOLOGICAL TRANSPORT, TRANSPORT ENERGETICS

ENERGY DEPENDENT TRANSPORT
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT

ENGINEERING, BIOMEDICAL
SEE BIOMEDICAL ENGINEERING

ENKEPHALIN
SEE PEPTIDES, ENKEPHALIN

ENKEPHALIN RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, ENDORPHIN RECEPTORS

ENOLASE
SEE DEHYDRATASES, D-2-PHOSPHOGLYCERATE HYDROLYASE

ENTERIC BACTERIA
SEE BACTERIA, ENTERIC (GENERAL)*

ENTEROCOCCI (STREPTOCOCCUS)
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS, ENTEROCOCCUS GROUP*

(contd).

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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ENVIRONMENT, ADAPTATION

** P01DE-07687-04 0008 Regeneration and transplantation of skeletal muscle - Adaptation of autografts to physical conditioning (rat)

ENVIRONMENT, ECOLOGY ORGANISMS

SEE ALSO POPULATION STUDIES MICROORGANISMS

R01DE-03180-15 Microbiologic studies of the human oral streptococci (also rabbits)
** R01DE-05180-07 Regulation of surface synthesis in Streptococcus mutans
** R01DE-06395-03 Molecular basis of the ecology of oral streptococci

ENVIRONMENT, ECOLOGY ORGANISMS, HOST-ORGANISM

SEE ALSO VIRUS DISEASE CHARACTERISTICS, HOST-VIRUS

R01DE-01554-24 Host factors in caries resistance (human, bacteria)
P50DE-02731-19 0034 Development support for dental research institute - Microbial biochemistry laboratory
M P01DE-02847-17 Microbial ecology and its relation to dental disease
P50DE-04881-09 0003 Clinical research in periodontal disease - Host immunologic response to oral microorganisms
R01DE-06031-03 Population genetics of the Streptococcus mutans complex (human)
R01DE-06551-02 Stress, host factors, and acute necrotizing gingivitis (human)
R01DE-06673-03 Genetic and biochemical bases for S mutans virulence (rabbits)
** R01DE-06880-02 Host defense mechanism to oral bacteria (mice, rabbits, human)
** R01DE-06989-01 Neutrophil function in periodontal disease (human)
P50DE-07009-02 0004 Specialized caries research centers - Immunological aspects of root caries (human)
R23DE-07077-01 Cell surface regulation in a cariogenic streptococci
** P50DE-07118-01 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R01DE-07267-02 Periodontopathic bacteria--Chemical-biologic nature (animals)
** R03DE-07313-01 Ligand receptor interactions of actinomyces viscosus (human, rabbit)
R03DE-07314-01 Genetics of streptococcus sanguis (rats)
** R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

ENVIRONMENT, ORIENTATION, CHEMOTAXIS

P50DE-02600-19 0030 Support for oral biology research center - Leukocyte function--its role in periodontal disease (human)
R01DE-03301-15 Connective tissues of the periodontium (human, dog)
R01DE-03738-13 Humoral and cellular mediators of inflammation (human, mammals)
** R01DE-04645-08 A genetic-biochemical analysis of spirochete motility (mice)
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
P50DE-04898-09 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
R01DE-05990-02 Periodontitis, leukocyte function and diabetic status (human)
R01DE-06436-04 Periodontosis--Characterization of the neutrophil defect (human)
R23DE-06640-03 Neutrophil defects induced by oral bacterial products
R01DE-06989-01 Neutrophil function in periodontal disease (human)
R23DE-07006-01 Synthesis of a craniofacial wound healing factor (human)
** P50DE-07118-01 0004 Periodontal diseases research center - PMN functional studies (children)
R01DE-07204-01 Family studies of early onset periodontitis (human)
R23DE-07268-02 Polymorphonuclear leukocyte function in wound healing (rabbits)
R03DE-07278-01 Laminin and immune intervention in periodontal disease
** R03DE-07433-01 Periodontosis--A defect in PMN actin polymerization (human)
R03DE-07556-01 Investigation of PDGF receptors on U20s osteosarcoma cells (tissue culture)
R23DE-07559-01 Synthesis of a craniofacial wound healing factor (human)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)
R23DE-07681-01 Cell growth and bone resorption in periodontal disease (rats, cattle)

ENVIRONMENT CONTROLLED

** R01DE-06762-02 Development of an advanced artificial oral environment
R01DE-07011-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
R01DE-07696-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

ENVIRONMENTAL CONTAMINANTS (GENERAL)

SEE ENVIRONMENTAL HEALTH, CONTAMINATION (GENERAL)

ENVIRONMENTAL HEALTH (GENERAL)

SEE ALSO EPIDEMIOLOGY AND DISEASE CONTROL STUDY SECTION

** P50DE-02668-19 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)

ENVIRONMENTAL HEALTH, CONTAMINATION (GENERAL)

SEE ALSO AIR POLLUTION
SEE ALSO CONGENITAL ABNORMALITIES, TERATOGENIC AGENTS
SEE ALSO GENETICS, MUTAGENS
SEE ALSO RADIOLOGICAL HEALTH, RADIATION ENVIRONMENTAL

R01DE-07713-04 Low-dose x-radiation effects on DMBA-DNA interactions

ENVIRONMENTAL POLLUTANTS (GENERAL)

SEE ENVIRONMENTAL HEALTH, CONTAMINATION (GENERAL)

ENVIRONMENTAL RADIATION

SEE RADIOLOGICAL HEALTH, RADIATION ENVIRONMENTAL

ENVIRONMENTAL STRESS

SEE STRESS

ENVIRONMENTAL STRESSORS

SEE STRESS, ENVIRONMENTAL STRESSORS

ENZYME DEREPRESSION

SEE ENZYME INDUCTION-REPRESSION-DEREPRESSION

ENZYME INDUCTION

SEE ENZYME INDUCTION-REPRESSION-DEREPRESSION

ENZYME INDUCTION-REPRESSION-DEREPRESSION

R01DE-04960-07 Mechanisms of salivary gland development (mice, rabbits, rats)
R01DE-05978-03 Lipid nutrition, membrane fluidity and enzymes (rats)
R01DE-06511-03 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)
R23DE-06849-03 Identification of intraoral mucosal wound hyaluronidase (rabbits)

ENZYME INHIBITORS

SEE ALSO BLOOD COAGULATION, ANTITHROMBINS
SEE ALSO ENZYME SUBSTRATE ANALOGS

R01DE-03246-16 Biochemical mechanisms relevant to dentistry
R01DE-03917-10 Fluoride and the metabolism of plaque bacteria
R01DE-06128-02 Synthesis-testing of a herpesvirus antiviral agent
R03DE-07386-01 Nicotinamide--A potential inhibitor of carcinogenesis (rats)
R23DE-07710-01 New targets for anti-herpes simplex virus chemotherapy (rabbits)

ENZYME INHIBITORS, PROTEASE INHIBITORS (GENERAL)

** R01DE-06028-02 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R23DE-06896-02 Nonenzymatic reactions in human dentin proteins
R01DE-06952-02 Enamel secretory matrix protease (catte, rats)
R01DE-07257-02 IgA protease and dental caries
R03DE-07436-01 Intracellular degradation of extracellular collagen (human)

ENZYME-LINKED IMMUNOSORBENT ASSAY

SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, ENZYME-LINKED IMMUNOSORBENT ASSAY (ELISA)

ENZYME MECHANISMS

P50DE-02670-19 0024 Institute of dental research - Biosynthesis of heparin and heparin sulfate
** P50DE-02670-19 0039 Institute of dental research - Structure and function of latent collagenase
R01DE-03246-16 Biochemical mechanisms relevant to dentistry
R01DE-03578-14 Biosynthetic study of dental plaque polysaccharides (bacteria)
** R01DE-03731-10 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03987-11 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-04224-11 Studies on the genetics of oral microflora (rats)
R01DE-04622-09 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-05210-06 Acid phosphatases in developing bones and teeth (rabbits, rats)
R01DE-05249-06 Salivary secretion - role of calcium (mice)
R01DE-05966-04 Mechanisms of sugar transport in streptococcus mutans
R23DE-06243-03 The extracellular matrix in neural crest formation (mice, chick, rat)
R01DE-06511-03 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)
R01DE-06801-03 Mutants to study S mutans pathogenicity (mammals)
R23DE-06849-03 Identification of intraoral mucosal wound hyaluronidase (rabbits)
R01DE-06866-02 Deoxyuridine metabolism in herpes labialis (rabbit, human)
R01DE-06952-02 Enamel secretory matrix protease (catte, rats)
** P50DE-07003-02 0003 Rochester caries research center - Genetics of Streptococcus mutans
R03DE-07024-02 Oral signs and symptoms in bulimic patients
R23DE-07113-02 Isolation and characterization of osteoclasts (chicks)
R01DE-07257-02 IgA protease and dental caries
R01DE-07267-02 Periodontopathic bacteria--Chemical-biologic nature (animals)
R23DE-07710-01 New targets for anti-herpes simplex virus chemotherapy (rabbits)

ENZYME REPRESSION

SEE ENZYME INDUCTION-REPRESSION-DEREPRESSION

ENZYME STRUCTURE

P50DE-02600-19 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
P50DE-02668-19 0168 Regional dental research center - Platelets and thrombin (human)
P50DE-02668-19 0190 Regional dental research center - Thrombin and prothrombin
** P50DE-02670-19 0039 Institute of dental research - Structure and function of latent collagenase
R01DE-03578-14 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-03731-10 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03917-10 Fluoride and the metabolism of plaque bacteria
R01DE-05210-06 Acid phosphatases in developing bones and teeth (rabbits, rats)
R01DE-05966-04 Mechanisms of sugar transport in streptococcus mutans
R01DE-06511-03 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)
R01DE-06673-03 Genetic and biochemical bases for S mutans virulence (rabbits)
R23DE-06849-03 Identification of intraoral mucosal wound hyaluronidase (rabbits)
R01DE-06952-02 Enamel secretory matrix protease (catte, rats)
R01DE-07257-02 IgA protease and dental caries
R23DE-07710-01 New targets for anti-herpes simplex virus chemotherapy (rabbits)

ENZYME SUBSTRATE

P50DE-02668-19 0168 Regional dental research center - Platelets and thrombin (human)
R23DE-07710-01 New targets for anti-herpes simplex virus chemotherapy (rabbits)

ENZYME SUBSTRATE ANALOGS

R01DE-03578-14 Biosynthetic study of dental plaque polysaccharides (bacteria)

ENZYMES

SEE ALSO AMINOACYLTRANSFERASES
SEE ALSO BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS, PERMEASES
SEE ALSO CARBOHYDRASES
SEE ALSO ENZYME INHIBITORS
SEE ALSO HYDROLASES
SEE ALSO OXIDOREDUCTASES
SEE ALSO PEROXIDASES
SEE ALSO PHOSPHATASES
SEE ALSO PROTEASES AND PEPTIDASES
SEE ALSO TRANSFERASES

** P50DE-02668-19 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
** R01DE-04733-08 Secretory immune response and S mutans glucosyltransferase (mammals)

ENZYMES, ISOENZYMES

R01DE-04321-11 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-06511-03 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)
R03DE-07024-02 Oral signs and symptoms in bulimic patients

ENZYMES, ZYMOGENS

P50DE-02670-19 0039 Institute of dental research - Structure and function of latent collagenase

EOSINOPHIL CHEMOTACTIC FACTOR (ECF)

SEE IMMUNITY, CYTOKINES, LYMPHOKINES, CHEMOTACTIC FACTORS

EPIDEMIOLOGY, EPIDEMIOLOGIC METHODS

SEE POPULATION STUDIES HUMAN, EPIDEMIOLOGY

EPIDEMIOLOGY AND DISEASE CONTROL STUDY SECTION

** R01DE-04068-11 Statistical methods in dental research
** R01DE-06069-03 A genetic study of cleft lip and cleft palate in Hawaii
** R01DE-06437-03 Incidence and prevalence of root caries in the elderly (human)

(contd)

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** R01DE-06570-04 Psychosocial evaluation of craniofacial patients
** R01DE-07062-01 Cleft lip and palate in Los Angeles Hispanics
** R01DE-07197-01 Epidemiologic studies of temporomandibular disorders (human)

EPIDEMIOLOGY OF MENTAL DISORDERS
SEE MENTAL HEALTH EPIDEMIOLOGY

EPIDERMAL GROWTH FACTOR
SEE GROWTH FACTORS (INCL. ANABOLICS), EPIDERMAL GROWTH FACTOR

EPIDERMIS
SEE SKIN (GENERAL)

EPIDERMOID CARCINOMA
SEE NEOPLASMS, CARCINOMA EPIDERMOID

EPIDERMOLYSIS BULLOSA (HEREDITARIA)
SEE CONGENITAL ABNORMALITIES, SKIN, EPIDERMOLYSIS BULLOSA

EPIGLOTTIS
SEE RESPIRATORY SYSTEM, LARYNX, EPIGLOTTIS

EPISOMES
SEE GENETICS, EXTRACHROMOSOMAL INHERITANCE, PLASMIDS

EPITHELIUM
SEE TISSUE, EPITHELIUM

EPITHELIUM, GASTROINTESTINAL
SEE GASTROINTESTINAL SYSTEM, EPITHELIUM

EPSTEIN-BARR VIRUS
SEE VIRUSES, HERPESVIRIDAE, HUMAN (GAMMA) HERPESVIRUS 4

EQUILIBRIUM SENSE
SEE SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION

EQUIPMENT, LABORATORY
SEE BIOMEDICAL FACILITIES

ERYTHEMA
SEE SKIN DISORDERS, ERYTHEMA (GENERAL)

ERYTHROBLASTOSIS (ERYTHROLEUKOSIS) VIRUS AVIAN
SEE VIRUSES, RETROVIRIDAE, LEUKOSIS-SARCOMA AVIAN, LEUKOSIS VIRUSES AVIAN

ESCHERICHIA COLI
SEE BACTERIA, ENTEROBACTERIACEAE, ESCHERICHIA COLI*

ESOPHAGEAL EPITHELIUM
SEE GASTROINTESTINAL SYSTEM, EPITHELIUM

ESOPHAGEAL MUCOSA
SEE ORAL-PHARYNGEAL, MUCOSA

ESSENTIAL FATTY ACIDS
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY LIPIDS, ESSENTIAL FATTY ACIDS

ESTRATRIENE SERIES, ESTROGENS
R03DE-07297-01 Mechanism of action of phenytoin (human, rats)

ESTROGENS
SEE ESTRATRIENE SERIES, ESTROGENS

ETHANOL, ETHYL ALCOHOL
SEE ALCOHOLS, ETHANOL

ETHOLOGY (HUMAN)
SEE PSYCHOLOGY, BEHAVIOR

ETHYLENEDIAMINE TETRAACETIC ACID
SEE AMINO ACIDS, ETHYLENEDIAMINO ACIDS, EDTA

ETHYLENE SUCCINIC ACID
SEE DICARBOXYLIC ACIDS, SUCCINIC ACID

EUCHROMATIN
SEE GENETICS, CHROMOSOMES

EUSTACHIAN TUBE
SEE EAR, MIDDLE EAR, EUSTACHIAN TUBE

EVALUATION AND/OR ANALYSIS
SEE BIOMATERIALS, BIOMATERIALS EVALUATION
SEE HEALTH CARE (SERVICES) (RESOURCES) ANALYSIS AND EVALUATION
SEE INFORMATION GATHERING METHODS EVALUATION-STANDARDS
SEE THERAPY EVALUATION

EVALUATION OF BIOMATERIALS
SEE BIOMATERIAL BIOMATERIALS EVALUATION

EVALUATION OF DIAGNOSTIC TESTS
SEE DIAGNOSIS, DIAGNOSTIC TESTS, DESIGN, DEVELOPMENT AND EVALUATION OF DIAGNOSTIC TESTS*

EVALUATION OF DRUGS
SEE DRUGS SCREENING AND EVALUATION

EVOKED POTENTIALS
SEE ELECTROPOTENTIALS, EVOKED POTENTIALS

EVOLUTION
SEE BIOLOGY, SYSTEMATIC, EVOLUTION AND PHYLOGENY

EXCEPTIONAL (HANDICAPPED) CHILDREN
SEE CHILDREN, HANDICAPPED CHILDREN

EXCHANGE DIFFUSION
SEE BIOLOGICAL TRANSPORT, PASSIVE TRANSPORT, DIFFUSION

EXCIPIENTS
SEE DRUGS VEHICLES

EXCISION EXONUCLEASE
SEE NUCLEASES, REPAIR NUCLEASES

EXCRETION
SEE BIOLOGICAL TRANSPORT, SECRETORY MECHANISMS, EXCRETION

EXHALATION-INHALATION
SEE RESPIRATORY FUNCTION, RESPIRATION

EXOCRINE GLANDS (GENERAL)
SEE TISSUE, EXOCRINE GLANDS (GENERAL)

EXOCYTOSIS
SEE CELL SECRETION, EXOCYTOSIS

EXOTOXINS
SEE IMMUNOLOGY, ANTIGENS BACTERIAL, EXOTOXINS

EXPERIMENTAL IMMUNOLOGY STUDY SECTION
** R01DE-03738-13 Humoral and cellular mediators of inflammation (human, mammals)

EXPERIMENTAL VIROLOGY STUDY SECTION
** R01DE-07688-01 Human T cell responses to herpes simplex virus antigens (human, mice)
** R23DE-07710-01 New targets for anti-herpes simplex virus chemotherapy (rabbits)

EXPIRATION-INSPIRATION
SEE RESPIRATORY FUNCTION, RESPIRATION

EXTRACELLULAR MATRIX
SEE CELL COMPONENTS, EXTRACELLULAR MATRIX

EXTRACORPOREAL RADIOASSAY
SEE RADIOASSAY (RADIOMETRY)

EXTREMITIES
SEE SKELETAL SYSTEM, LIMB

EXTRINSIC SURFACE ACTIVITY OF MEMBRANES
SEE MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)

EYE
R23DE-07190-01 Craniofacial ossification during anuran metamorphosis

EYE, VISUAL STIMULUS
P01DE-06946-02 0013 Pathophysiology of MPD and other facial pain syndromes - Psychophysiologic response of MPD patients to pain

EYE DISORDERS
R03DE-07149-01 Ethanol teratogenicity at early somite stages in mice

F
SEE HALOGENS, FLUORINE (COMPOUNDS) SEE ALSO SPECIFICS

FACE
SEE BODY REGIONS, HEAD, FACE

FACE NEOPLASMS
SEE NEOPLASMS OF BODY REGIONS, HEAD AND NECK

FACIAL ANOMALIES
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL

FACIAL EXPRESSION
SEE INFORMATION-COMMUNICATION BEHAVIOR, FACIAL EXPRESSION

FACIAL MUSCLES
SEE MUSCLES, FACIAL MUSCLES

FACIAL PAIN
SEE ORAL-FACIAL PAIN

FACIAL RESTORATION
SEE ORAL-FACIAL RESTORATION

FACILITATED DIFFUSION
SEE BIOLOGICAL TRANSPORT, PASSIVE TRANSPORT, DIFFUSION

FACILITIES
SEE BIOMEDICAL FACILITIES
SEE STATISTICAL SERVICE AND CENTERS

FACTOR II
SEE BLOOD COAGULATION, PROTHROMBIN

FACTOR X
SEE BLOOD COAGULATION, FACTOR X

FAILURE TO THRIVE INTRAUTERINE
SEE PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

FAILURE TO THRIVE POSTNATAL
SEE GROWTH DISORDERS POSTNATAL (SEE ALSO APPROPRIATE SPECIFICS)

FAMILIAL DISORDERS
SEE GENETIC DISORDERS (SEE ALSO APPROPRIATE CONGENITAL ABNORMALITIES)

FAMILY
SEE ALSO CHILDREN
P50DE-02600-19 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
P01DE-03610-19 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis
R01DE-05054-07 Periodontal disease--Microbiological studies (human)
R01DE-06570-04 Psychosocial evaluation of craniofacial patients
** R03DE-07430-01 A study of facial features in cleft lip-palate families (human)

FAMILY, PARENT-OFFSPRING
R01DE-06154-03 Effects of orthodontia on psychosocial functioning (human)
** R23DE-06865-02 Child desensitization for dental visits (human)

FAMILY, PARENT-OFFSPRING, MOTHER-CHILD INTERACTION
** P50DE-02670-19 0040 Institute of dental research - Streptococcus mutans strains common to mother and child (mammals)
R01DE-05305-05 Behavioral approaches to pain responses in pedodontics (children)
** N01DE-42552-02 Prevent maternal transmission of streptococcus mutans (humans)

FAMILY, SIBLING ORDER
R01DE-07062-01 Cleft lip and palate in Los Angeles Hispanics

FAT-SOLUBLE VITAMINS
SEE VITAMINS, VITAMIN D (GENERAL)

FATIGUE
SEE HEALTH, PHYSICAL ACTIVITY, FATIGUE

FATTY ACID CYCLOOXYGENASE
SEE OXIDOREDUCTASES, PROSTAGLANDIN SYNTHASE

FATTY ACIDS
SEE ALSO CARBOXYLIC ACIDS
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY LIPIDS, ESSENTIAL FATTY ACIDS
R01DE-06051-04 Membranes of the dental pathogen Streptococcus mutans (rabbits)

FATTY ACIDS, EICOSANOIDS, ARACHIDONIC ACID
R01DE-04622-09 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-05626-05 Role of complement in periodontal disease
** R01DE-06553-03 Arachidonate metabolism and orofacial development (mice)
R01DE-06860-02 Complement monocyte interactions in periodontal disease
** R03DE-07001-01 Exogenous arachidonic acid metabolism by oral squamous carcinoma cells (human)
R23DE-07107-02 Cyclic nucleotides and prostaglandins in cleft palate (mice)
R23DE-07208-01 LPS-monocyte interactions in periodontal disease (guinea pigs)

FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS
SEE ALSO FATTY ACIDS METABOLISM, EICOSANOIDS METABOLISM
SEE ALSO OXIDOREDUCTASES, PROSTAGLANDIN SYNTHASE
R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
** P50DE-04881-09 0003 Clinical research in periodontal disease - Host immunologic response to oral microorganisms
R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)
R01DE-05494-06 Activation of macrophages in periodontal disease (mice)
R01DE-05550-05 Differentiation during craniofacial embryogenesis (mice)
R01DE-05626-05 Role of complement in periodontal disease
R01DE-06397-03 Biochemical aspects of orofacial development
R01DE-06553-03 Arachidonate metabolism and orofacial development (mice)
R01DE-06860-02 Complement monocyte interactions in periodontal disease
** R01DE-06913-03 Modulating role of prostaglandins in salivary glands (rats)
R01DE-06949-01 In vitro bone resorption by products of oral bacteria (animals)
** R23DE-07107-02 Cyclic nucleotides and prostaglandins in cleft palate (mice)
R23DE-07208-01 LPS-monocyte interactions in periodontal disease (guinea pigs)

FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS, PROSTAGLANDIN E
R03DE-06940-01 Comparisons of microvessels and osteoblasts in vitro
P50DE-07118-01 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects. See Appendix for investigator's name and Grant Number

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FAT

R03DE-07121-01 Acid production in craniofacial osteoclasts (mice)

FATTY ACIDS, EICOSANOIDS, THROMBOXANES
R01DE-05626-05 Role of complement in periodontal disease
R23DE-07208-01 LPS-monocyte interactions in periodontal disease (guinea pigs)

FATTY ACIDS, HYDROXY FATTY ACIDS
SEE ALSO FATTY ACIDS, LACTATES
SEE ALSO TRICARBOXYLIC ACIDS, CITRATES
R03DE-07001-01 Exogenous arachidonic acid metabolism by oral squamous carcinoma cells (human)

FATTY ACIDS, LACTATES
SEE ALSO OXIDOREDUCTASES, LACTATE DEHYDROGENASE
R01DE-04385-10 Mechanism of dental caries
R01DE-04387-09 Effect of fluoride on cAMP and glucose metabolism (rats)
R23DE-07318-01 Functional role of IgA antibodies to Streptococcus mutans (rabbits)

FATTY ACIDS, PYRUVATES
SEE ALSO PHOSPHOTRANSFERASES, ATP-PYRUVATE PHOSPHOTRANSFERASE
R01DE-04387-09 Effect of fluoride on cAMP and glucose metabolism (rats)
R23DE-06896-02 Nonenzymatic reactions in human dentin proteins

FATTY ACIDS, PYRUVATES, PHOSPHOENOLPYRUVATE
R01DE-06544-03 Physiology of oral bacteria--Sugar, PH and F relations

FATTY ACIDS, UNSATURATED
SEE ALSO LIPIDS, FATS, UNSATURATED FATS
R03DE-07001-01 Exogenous arachidonic acid metabolism by oral squamous carcinoma cells (human)

FATTY ACIDS, UNSATURATED, LINOLEIC ACID
R01DE-05978-03 Lipid nutrition, membrane fluidity and enzymes (rats)

FATTY ACIDS, UNSATURATED, LINOLENIC ACID
R01DE-03917-10 Fluoride and the metabolism of plaque bacteria

FATTY ACIDS BIOSYNTHESIS
R03DE-07001-01 Exogenous arachidonic acid metabolism by oral squamous carcinoma cells (human)

FATTY ACIDS METABOLISM
SEE ALSO FATTY ACIDS BIOSYNTHESIS
R01DE-02342-14 Normal and altered oral mucosa (rats)
** R01DE-06553-03 Arachidonate metabolism and orofacial development (mice)
** R03DE-07001-01 Exogenous arachidonic acid metabolism by oral squamous carcinoma cells (human)

FATTY ACIDS METABOLISM, EICOSANOIDS METABOLISM
R03DE-07001-01 Exogenous arachidonic acid metabolism by oral squamous carcinoma cells (human)

FC RECEPTOR
SEE IMMUNOLOGY, ANTIBODIES, ANTIBODY RECEPTORS

FC RECEPTOR AUGMENTING FACTOR (FRAF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES

FE
SEE IRON

FEAR, DENTAL
SEE DENTAL FEAR AND ANXIETY

FECES ANALYSIS
SEE CHEMISTRY, CLINICAL, FECES ANALYSIS*

FEEDBACK, SENSORY
SEE SENSORY FEEDBACK

FEEDBACK CONTROL (BIOLOGICAL)
SEE INFORMATION PROCESSING AND CONTROL (BIOLOGICAL)

FEEDBACK CONTROL (NEURAL)
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

FEEDING (EATING) BEHAVIOR
SEE NUTRIENT INTAKE ACTIVITY, FEEDING (EATING) BEHAVIOR

FEEDS, ANIMAL
SEE FOOD, ANIMAL FEEDS

FEMUR
SEE SKELETAL SYSTEM, LIMB BONES, FEMUR

FERTILITY-INFERTILITY, SEX CYCLES, MENSTRUAL CYCLE
R01DE-06900-01 Immunology of oral herpes simplex viral infections (human)

FERTILIZERS
SEE AGRICULTURE, FERTILIZERS

FETAL ALCOHOL DISORDERS
SEE PREGNANCY DISORDERS, EMBRYO-FETAL DISORDERS, FETAL ALCOHOL DISORDERS

FETAL CELL LINES
SEE TISSUE (CELL) CULTURE, EMBRYONIC-FETAL CELL LINES

FETAL CELLS AND TISSUES
SEE EMBRYOLOGY, EMBRYO-FETAL CELLS AND TISSUES

FETAL CHEMOTHERAPY
SEE PREGNANCY, EMBRYO-FETUS CHEMOTHERAPY

FETAL CULTURE
SEE PREGNANCY, EMBRYO-FETUS CULTURE

FETAL FAILURE TO THRIVE
SEE PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

FETAL GROWTH DISORDERS
SEE PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

FETAL NUTRITION
SEE NUTRITION, MATERNAL-FETAL NUTRITION

FETAL TOXICOLOGY
SEE PREGNANCY, EMBRYO-FETUS TOXICOLOGY

FETUIN-BINDING LECTIN
SEE PROTEINS, LECTINS (NON-PLANT)

FETUS
SEE PREGNANCY, EMBRYO-FETUS

FEVER
SEE TEMPERATURE (BODY), FEVER

FEVER BLISTERS
SEE VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX

FIBER OPTICS
SEE OPTICS, FIBER OPTICS*

FIBRINOGEN
SEE BLOOD COAGULATION, FIBRINOGEN

FIBRINOGENASE
SEE BLOOD COAGULATION, THROMBIN

FIBROBLASTS
SEE CONNECTIVE TISSUE CELLS, FIBROBLASTS

FIBRONECTIN
SEE GLYCOPROTEINS, FIBRONECTIN

FIBROSIS
SEE CONNECTIVE TISSUE HYPERPLASIA, FIBROSIS SUBCUTANEOUS
SEE METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS

FIBROUS PROTEINS, COLLAGEN
R01DE-01374-25 Matrix component interactions in bone and dentin (rabbits, rats, mice)
P50DE-02600-19 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
P50DE-02600-19 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
P50DE-02600-19 0038 Support for oral biology research center - Connective tissue alterations in periodontal disease
** P50DE-02668-19 0125 Regional dental research center - Significance of collagen crosslinks in tissue
** P50DE-02668-19 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)
P50DE-02670-19 0003 Institute of dental research - Macromolecules of mineralized tissues
** P50DE-02670-19 0019 Institute of dental research - Chemistry/biology of the genetically-distinct collagens
P50DE-02670-19 0029 Institute of dental research - Structure and interactions of proteoglycans
** P50DE-02670-19 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)
** P50DE-02731-19 0031 Development support for dental research institute - Biochemistry laboratory (human)
P50DE-02731-19 0032 Development support for dental research institute - Experimental cytology laboratory (rats)
P01DE-02848-15 0009 Biology of connective tissue, bones, and teeth - Epithelial-mesenchymal interactions and palate morphogenesis
R01DE-03223-15 Kinetics of mineralization of teeth (human)
** R01DE-03301-15 Connective tissues of the periodontium (human, dog)
** R01DE-03318-14 The molecular nature of gingival and mucosal collagen (rats)
R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
** R01DE-03987-11 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-04008-11 Cellular and developmental control of calcification (chick embryo)
R01DE-04096-07 Biocompatibility of endodontic materials (guinea pigs, rats, monkeys)
R01DE-04724-07 Cellular events in bone remodeling (rats, mice, chickens)
R01DE-04970-07 Nuclear composition and organization for odontogenesis (rats)
R01DE-05092-07 Proteins involved in dentinogenesis
R01DE-05129-08 Improvement of preventive and restorative materials (monkeys)
R01DE-05379-05 Morphogenesis and maturation of craniofacial sutures (animals)
R01DE-05550-05 Differentiation during craniofacial embryogenesis (mice)
R01DE-05616-07 Matrix cell interaction in craniofacial development (chick and quail embryos)
R01DE-05690-04 Localization of the procollagens in dental tissues (rats, mice, rabbits)
** R01DE-05793-04 Processing of procollagen to collagen (rabbit, chick embryo)
R01DE-05996-04 Alveolar bone metabolism during tooth eruption (dogs)
R01DE-06028-02 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R01DE-06165-03 Cell biology of periodontal ligament fibroblast
R23DE-06243-03 The extracellular matrix in neural crest formation (mice, chick, rat)
R01DE-06397-03 Biochemical aspects of orofacial development
R03DE-06821-02 Regulation of bone cells three-dimensional culture models (mice)
R23DE-06896-02 Nonenzymatic reactions in human dentin proteins
P01DE-06946-02 0010 Pathophysiology of MPD and other facial pain syndromes - Tendon in normal and fatigued states (rat, human)
P01DE-06946-02 0015 Pathophysiology of MPD and other facial pain syndromes - Healing of surgical defects in retrodiscal tissue (rabbits)
R01DE-06977-02 Oral mucosa in vitro (mice, rats, guinea pigs)
R23DE-07075-01 Tissue interactions in root development (mice)
R01DE-07086-01 Development of artificial oral mucosa (rabbits)
R01DE-07120-02 Cell-substrate interaction in craniofacial morphogenesis
R03DE-07278-01 Laminin and immune intervention in periodontal disease
R03DE-07288-01 Human basement membrane tumors (nude mice, tissue culture)
** R03DE-07404-01 Collagen matrices for oral epithelium in vitro (human, rats)
R03DE-07424-01 Bacterial invasion of a basement membrane - like matrix in vitro
** R03DE-07436-01 Intracellular degradation of extracellular collagen (human)

FIBROUS PROTEINS, COLLAGEN, PROCOLLAGEN
** P50DE-02600-19 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
R01DE-03318-14 The molecular nature of gingival and mucosal collagen (rats)
R01DE-04008-11 Cellular and developmental control of calcification (chick embryo)
** R01DE-05690-04 Localization of the procollagens in dental tissues (rats, mice, rabbits)
** R01DE-05793-04 Processing of procollagen to collagen (rabbit, chick embryo)

FIBROUS PROTEINS, ELASTIN
P50DE-02670-19 0029 Institute of dental research - Structure and interactions of proteoglycans

FIBROUS PROTEINS, KERATIN
SEE ALSO FIBROUS PROTEINS, KERATOHYALIN
R01DE-02342-14 Normal and altered oral mucosa (rats)
R01DE-04511-10 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-04970-07 Nuclear composition and organization for odontogenesis (rats)
R01DE-06977-02 Oral mucosa in vitro (mice, rats, guinea pigs)
R01DE-06988-01 Determination and expression of amelogenin gene products (mice)

FIBROUS PROTEINS, KERATOHYALIN
R01DE-02342-14 Normal and altered oral mucosa (rats)
** R01DE-04660-10 Keratohyalin in keratinization--Oral mucosa and skin (human)

FILIPINO-AMERICANS
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, ASIAN AMERICANS

FIMBRIAE
SEE CELL COMPONENTS, PILI

FINGER AND PALM PRINTS
SEE SKIN, DERMATOGLYPHICS

FIXED CHARGE HYPOTHESIS
SEE BIOLOGICAL TRANSPORT PASSIVE TRANSPORT, DIFFUSION

FIXED CHARGES IN TRANSPORT ENERGETICS
SEE BIOLOGICAL TRANSPORT, TRANSPORT ENERGETICS

FIXING OF TISSUES OR CELLS
SEE TISSUE AND CELL PREPARATION

FLAGELLAR MOVEMENT
SEE CELL COMPONENTS, CILIARY AND FLAGELLAR MOVEMENT

FLAGYL
SEE IMIDAZOLES, METRONIDAZOLE

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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FLAVOR (SENSE)
SEE SENSORY-PERCEPTUAL PROCESSES, TASTE

FLOWMETERS, AIRFLOWMETERS (RESPIRATORY)
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

FLUID-ELECTROLYTE BALANCE
SEE BODY FLUID BALANCE, IONIC

FLUID EXCHANGE AND TRANSPORT
SEE BIOLOGICAL TRANSPORT, FLUID EXCHANGE AND TRANSPORT

FLUIDS
SEE BODY FLUIDS (AND RELATED SUBSTANCES)
SEE CELL FLUIDS

FLUORESCENCE
SEE OPTICS, LIGHT EMISSION, FLUORESCENCE*

FLUORESCENCE LABELING, PROBES
SEE DYES, FLUORESCENT DYES AND PROBES

FLUORESCENT ANTIBODY TECHNIQUE
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOFLUORESCENCE*

FLUORESCENT ANTIGEN TECHNIQUE
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOFLUORESCENCE*

FLUORESCENT DYES
SEE DYES, FLUORESCENT DYES AND PROBES

FLUORIDATION-DEFLUORIDATION
SEE HALOGENATION, FLUORIDATION-DEFLUORIDATION

FLUORIDE INGESTED
SEE DENTAL DISORDERS CHEMOTHERAPY, FLUORIDE INGESTED

FLUORIDE TREATMENTS (TOPICAL)
SEE DENTAL DISORDERS CHEMOTHERAPY, FLUORIDE TREATMENTS (TOPICAL)

FLUORIDES
SEE HALOGENS, FLUORINE (COMPOUNDS) SEE ALSO SPECIFICS

FLUORINE (COMPOUNDS)
SEE HALOGENS, FLUORINE (COMPOUNDS) SEE ALSO SPECIFICS

FLUOROCARBON POLYMERS
SEE PLASTICS, FLUOROCARBON POLYMERS

FLUOROPHOSPHATES
SEE PHOSPHATES, FLUOROPHOSPHATES

FLUOROSIS
SEE HALOGEN POISONING, FLUOROSIS

FOAMING AGENTS
SEE PHYSICAL PROPERTIES, SURFACTANTS

FOLIC ACID
SEE VITAMINS, FOLACINS, FOLIC ACID

FOLIC ACID ANTAGONISTS
R03DE-07157-01 Studies on nitrous oxide teratogenesis (rats)

FOLLICLE STIMULATING HORMONE-RELEASE INHIBITING FACTOR
SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN

FOLLILIBERIN
SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN

FOLLOW-UP STUDY
SEE POPULATION STUDIES HUMAN, LONGITUDINAL STUDY

FOLLOW-UP STUDY, ANIMAL
SEE POPULATION STUDIES ANIMAL, LONGITUDINAL STUDY

FOOD
SEE ALSO AGRICULTURE, FERTILIZERS
SEE ALSO GROWTH MEDIA
R01DE-05253-06 Measurements of enamel permeability as related to caries (human)
R01DE-06418-03 Laboratory and clinical studies of dental fluorosis

FOOD, ANIMAL FEEDS
R01DE-06000-05 Effect of parotid function on saliva and cells (rats)

FOOD, INFANT FOODS
P01DE-01850-22 0071 Nutritional sources and metabolic roles of fluoride - Daily dietary fluoride intake of children and young adults
P01DE-01850-22 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)

FOOD, SEAFOOD
R01DE-06519-01 Dental amalgams contribution to blood mercury levels

FOOD, SWEETENING AGENTS
** R01DE-05476-05 Novel peptide derived sweeteners

FOOD ANALYSIS (CHEMICAL CONSTITUENTS)
SEE NUTRITION, DIETARY CONSTITUENTS (GENERAL)

FOOD CONSTITUENTS
SEE NUTRITION, DIETARY CONSTITUENTS (GENERAL)

FOOD QUALITY
SEE FOOD SCIENCES AND TECHNOLOGY, FOOD QUALITY-STANDARDS

FOOD REQUIREMENTS DIETARY
SEE NUTRITIONAL REQUIREMENTS

FOOD SANITATION
SEE FOOD SCIENCES AND TECHNOLOGY, FOOD SANITATION

FOOD SCIENCES AND TECHNOLOGY, FOOD QUALITY-STANDARDS
R13DE-07614-01 Consensus conference--Methods for cariogenic potential of food

FOOD SCIENCES AND TECHNOLOGY, FOOD SANITATION
R13DE-07614-01 Consensus conference--Methods for cariogenic potential of food

FOODS AND CANCER (NUTRIENT THERAPY)
SEE NEOPLASTIC THERAPY, NUTRITIONAL THERAPY OF CANCER

FOODS INTERACTION WITH PHYSICAL OR CHEMICAL AGENTS
SEE NUTRIENTS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION

FORMALDEHYDE
SEE ALDEHYDES, FORMALDEHYDE

FRACTURES
SEE INJURIES, FRACTURES

FREE RADICALS
SEE ELECTRONIC SPECTRA, FREE RADICALS

BETA-FRUCTOFURANOSIDASE
SEE CARBOHYDRASES, BETA-FRUCTOFURANOSIDASE

FRUCTOSE
SEE HEXOSES, FRUCTOSE

FUNCTION, BODILY ORGANS
SEE GASTROINTESTINAL FUNCTION
SEE MUSCLE FUNCTION
SEE PANCREATIC ISLETS FUNCTION
SEE RESPIRATORY FUNCTION

FUNCTIONAL GROUPS (CHEMISTRY)
SEE CHEMICAL REACTION SITES, FUNCTIONAL GROUPS

FUNGI, YEASTS, CANDIDA ALBICANS*
R23DE-06524-02 The pathogenesis of chronic oral candidiasis in the rat
** R01DE-07168-02 Membrane function during germination of Candida albicans (mice)

FUSION FAILURES, CONGENITAL
SEE CONGENITAL ABNORMALITIES, FUSION FAILURES

FUSOBACTERIA
SEE BACTERIA, BACTEROIDACEAE, FUSOBACTERIA*

GABA
SEE AMINO ACIDS, GAMMA-AMINOBUTYRIC ACID

GALACTOSE
SEE HEXOSES, GALACTOSE

GALACTOSIDES
SEE HEXOSES, GALACTOSIDES

GALLBLADDER EPITHELIUM
SEE GASTROINTESTINAL SYSTEM, EPITHELIUM

GAMMA GLOBULINS 7S
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN G

GAMMA GLOBULINS 19S
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN M

GAP JUNCTIONS
SEE CELL-CELL INTERACTION, INTERCELLULAR CONNECTIONS-JUNCTIONS

GASTRIC EPITHELIUM
SEE GASTROINTESTINAL SYSTEM, EPITHELIUM

CASTROCNEMIUS MUSCLE
SEE MUSCLES, GASTROCNEMIUS MUSCLE

GASTROINTESTINAL ABSORPTION-TRANSPORT
SEE GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT (GENERAL)

GASTROINTESTINAL AGENTS, DIGESTANTS (GENERAL)
R01DE-06000-05 Effect of parotid function on saliva and cells (rats)

GASTROINTESTINAL DISORDERS, INFLAMMATORY BOWEL DISEASE
** R01DE-06989-01 Neutrophil function in periodontal disease (human)

GASTROINTESTINAL DISORDERS DIAGNOSIS (INCL EXAMS)*
SEE ALSO CHEMISTRY, CLINICAL, FECES ANALYSIS*
** R03DE-07143-01 Sounds of normal and impaired swallow (humans)

GASTROINTESTINAL EXAMINATIONS
SEE GASTROINTESTINAL DISORDERS DIAGNOSIS (INCL EXAMS)*

GASTROINTESTINAL FUNCTION
SEE ALSO DENTISTRY, MASTICATION
** R03DE-07143-01 Sounds of normal and impaired swallow (humans)

GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT (GENERAL)
R01DE-03246-16 Biochemical mechanisms relevant to dentistry
R01DE-06007-03 Periodontal tissue changes during pregnancy-lactation (rats)
R01DE-06113-05 Determinants of fluoride in the oral environment (dogs, rats)
R01DE-06429-04 Influence of acid-base status on fluoride metabolism (mammals)

GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT, DIETARY NUTRIENTS
** P01DE-01850-22 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
** R03DE-07412-01 Effect of zinc on intestinal absorption of calcium (human)

GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT, DRUGS
** P01DE-01850-22 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)

GASTROINTESTINAL FUNCTION, DEGLUTITION
R01DE-05728-04 Role of chemoreceptors in craniofacial function (lambs)
** R01DE-05738-05 Mastication, food transport, and swallowing in primates (cats, monkeys)
R01DE-06638-02 Complete denture service psychophysiological criteria
** R03DE-07143-01 Sounds of normal and impaired swallow (humans)
R23DE-07351-01 Morphological basis of tongue movement and control (mammals)

GASTROINTESTINAL HORMONES, PANCREOZYMIN-CHOLECYSTOKININ
R01DE-06682-03 CNS modulation of orofacial input (rats, cats)

GASTROINTESTINAL SYSTEM, EPITHELIUM
** P01DE-02848-15 0009 Biology of connective tissue, bones, and teeth - Epithelial-mesenchymal interactions and palate morphogenesis
** R01DE-06730-02 Dental implant surfaces impeding epithelial migration (rats)
** R03DE-07404-01 Collagen matrices for oral epithelium in vitro (human, rats)

GELS
SEE PHYSICAL PROPERTIES, COLLOIDS, GELS

GELS (DOSAGE FORM)
SEE DOSAGE FORMS

GENE CLONING
SEE GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING

GENE EXPRESSION
SEE GENETICS, GENES, GENE EXPRESSION

GENE INSERTION INTO FOREIGN HOSTS
SEE GENETIC MANIPULATION

GENE MUTATION
SEE GENETICS, MUTATION, GENE MUTATION

GENE SPLICING (GENETIC MANIPULATION)
SEE GENETIC MANIPULATION

GENERAL ADAPTATION SYNDROME
SEE STRESS

GENERAL ANESTHESIA
SEE SENSORY DEPRESSION, ANESTHESIA (GENERAL), GENERAL ANESTHESIA

GENERAL MEDICINE A STUDY SECTION
** R01DE-04660-10 Keratohyalin in keratinization--Oral mucosa and skin (human)

GENERAL MEDICINE B STUDY SECTION
** R01DE-04008-11 Cellular and developmental control of calcification (chick embryo)
** R01DE-04327-10 Mechanical and electrical effects on osteogenesis (rats)
** R01DE-05210-06 Acid phosphatases in developing bones and teeth (rabbits, rats)
** R01DE-05249-06 Salivary secretion - role of calcium (mice)
** R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)
** R01DE-07431-08 Ultrastructual studies of mineralized tissue (chicks, rats)

GENES
SEE GENETICS, GENES

GENETIC-ASSOCIATED DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, GENETICS AND DIABETES

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

GENETIC CODING
SEE GENETICS, BIOCHEMICAL GENETICS, GENETIC CODING

GENETIC COUNSELING
SEE GENETIC DISORDERS, GENETIC COUNSELING

GENETIC DETERMINED DIABETES IN ANIMALS
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, GENETICS AND DIABETES

GENETIC DISORDERS (SEE ALSO APPROPRIATE CONGENITAL ABNORMALITIES)
SEE ALSO CONGENITAL ABNORMALITIES
SEE ALSO DISEASE PRONENESS-RISK
SEE ALSO GENETICS, MUTATION
SEE ALSO GENETICS, RADIATION GENETICS
P01DE-03558-11 0010 Craniofacial anomalies--Etiology and treatment - Components of syndromes and their classification (human)
** R01DE-07204-01 Family studies of early onset periodontitis (human)

GENETIC DISORDERS, AUTOSOMAL DOMINANT CONDITIONS
R03DE-07274-01 Detecting heterogeneity in juvenile periodontitis (human)
R03DE-07279-01 Dental diseases and a gene map of human chromosome 4

GENETIC DISORDERS, AUTOSOMAL RECESSIVE CONDITIONS
SEE ALSO HEMOPROTEINS, HEMOGLOBINOPATHIES, SICKLE CELL ANEMIA
SEE ALSO METABOLIC DISORDERS INBORN, CHEDIAK-HIGASHI SYNDROME
SEE ALSO METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS
P50DE-02600-19 0047 Support for oral biology research center - Clinical research on periodontal diseases
R01DE-07062-01 Cleft lip and palate in Los Angeles Hispanics
R03DE-07274-01 Detecting heterogeneity in juvenile periodontitis (human)
R03DE-07279-01 Dental diseases and a gene map of human chromosome 4

GENETIC DISORDERS, CHROMOSOME ABNORMALITIES
R01DE-03658-21 Genetic polymorphisms of saliva (human, mice)
** R03DE-07418-01 Dentinogenesis imperfecta--Chromosome mapping

GENETIC DISORDERS, GENETIC COUNSELING
R01DE-06069-03 A genetic study of cleft lip and cleft palate in Hawaii

GENETIC DISORDERS, SEX-LINKED CONDITIONS
R03DE-07279-01 Dental diseases and a gene map of human chromosome 4

GENETIC DISORDERS DIAGNOSIS*
R01DE-07062-01 Cleft lip and palate in Los Angeles Hispanics

GENETIC LIBRARIES
SEE GENETICS, GENETIC LIBRARIES

GENETIC MANIPULATION
SEE ALSO BIOLOGICAL PREPARATIONS AND STANDARDIZATION, NATURAL PRODUCTS PRODUCTION BY GENETIC MANIPULATION
SEE ALSO GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING
M P50DE-02600-19 Support for oral biology research center
P50DE-02600-19 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
M P50DE-02623-18 Center for oral health research
M P50DE-02668-19 Regional dental research center
R01DE-03258-14 Cloning of streptococcus mutans genes (human, rabbits)
R01DE-03606-16 Morphogenesis of bacteriophage Phi-29
R01DE-03658-21 Genetic polymorphisms of saliva (human, mice)
R01DE-04224-11 Studies on the genetics of oral microflora (rats)
R01DE-06082-03 Genetic analysis of streptococcus mutans cariogenicity
R01DE-06669-03 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
R01DE-06673-03 Genetic and biochemical bases for S mutans virulence (rabbits)
R01DE-06801-03 Mutants to study S mutans pathogenicity (mammals)
P50DE-07118-01 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection

GENETIC MAPPING
SEE ALSO NUCLEIC ACIDS, DNA PROBE
** R01DE-03606-16 Morphogenesis of bacteriophage Phi-29
P50DE-07003-02 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
** R03DE-07279-01 Dental diseases and a gene map of human chromosome 4
R01DE-07688-01 Human T cell responses to herpes simplex virus antigens (human, mice)

GENETIC MAPPING, GENETIC MARKERS
R01DE-03658-21 Genetic polymorphisms of saliva (human, mice)
R01DE-06082-03 Genetic analysis of streptococcus mutans cariogenicity
R01DE-06645-03 Genetic regulation of B cell replication and function (mice)
R01DE-06848-02 Androgen control of salivary gland EGF in cleft palate (mice)
R01DE-07062-01 Cleft lip and palate in Los Angeles Hispanics
R03DE-07279-01 Dental diseases and a gene map of human chromosome 4
R03DE-07418-01 Dentinogenesis imperfecta--Chromosome mapping

GENETIC MAPPING, LINKAGE
R01DE-03658-21 Genetic polymorphisms of saliva (human, mice)
R01DE-06082-03 Genetic analysis of streptococcus mutans cariogenicity
R01DE-07062-01 Cleft lip and palate in Los Angeles Hispanics
R01DE-07204-01 Family studies of early onset periodontitis (human)
R03DE-07279-01 Dental diseases and a gene map of human chromosome 4

GENETIC MARKERS
SEE GENETIC MAPPING, GENETIC MARKERS

GENETIC MODELS
SEE MODELS, GENETIC MODELS

GENETIC REGULATION
SEE GENETICS, GENETIC REGULATION

GENETIC STRAINS
SEE BIOLOGY, SYSTEMATIC, GENETIC STRAINS

GENETICS
SEE ALSO CARBOHYDRATES METABOLISM DISORDERS, DIABETES, GENETICS AND DIABETES
SEE ALSO CELL DIVISION
SEE ALSO IMMUNOGENETICS (GENERAL)
SEE ALSO MAMMALIAN GENETICS STUDY SECTION
SEE ALSO MODELS, GENETIC MODELS
SEE ALSO NUCLEIC ACIDS REPAIR
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY
P50DE-04898-09 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)

GENETICS, BIOCHEMICAL GENETICS, GENETIC CODING
SEE ALSO GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSCRIPTION
SEE ALSO GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSLATION
SEE ALSO PROTEINS BIOSYNTHESIS
R01DE-03258-14 Cloning of streptococcus mutans genes (human, rabbits)
** R01DE-03658-21 Genetic polymorphisms of saliva (human, mice)
R01DE-06082-03 Genetic analysis of streptococcus mutans cariogenicity
R01DE-06673-03 Genetic and biochemical bases for S mutans virulence (rabbits)
R01DE-06866-02 Deoxyuridine metabolism in herpes labialis (rabbit, human)
R01DE-06970-02 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R03DE-07314-01 Genetics of streptococcus sanguis (rats)

GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING
SEE ALSO NUCLEIC ACIDS, DNA PROBE
** R01DE-03258-14 Cloning of streptococcus mutans genes (human, rabbits)
R01DE-04224-11 Studies on the genetics of oral microflora (rats)
R01DE-04970-07 Nuclear composition and organization for odontogenesis (rats)
R01DE-06082-03 Genetic analysis of streptococcus mutans cariogenicity
R03DE-06814-02 Transposon mutagenesis of the oral streptococci
P50DE-07003-02 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
R03DE-07418-01 Dentinogenesis imperfecta--Chromosome mapping

GENETICS, CHROMOSOME COMPLEMENT
R01DE-03658-21 Genetic polymorphisms of saliva (human, mice)

GENETICS, CHROMOSOME COMPLEMENT, GENOME
R01DE-05180-07 Regulation of surface synthesis in Streptococcus mutans
R03DE-07418-01 Dentinogenesis imperfecta--Chromosome mapping

GENETICS, CHROMOSOMES
SEE ALSO IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)
P50DE-02670-19 0040 Institute of dental research - Streptococcus mutans strains common to mother and child (mammals)

GENETICS, CHROMOSOMES, CHROMATIN
R01DE-04511-10 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-06622-02 Molecular mechanisms of periodontal disease

GENETICS, CHROMOSOMES, CHROMOSOME REPLICATION
SEE ALSO CELL DIVISION
SEE ALSO NUCLEIC ACIDS SYNTHESIS, DNA
R23DE-06091-03 Primary human cells--A model for materials testing (tissue culture)

GENETICS, CYTOGENETICS
SEE ALSO CELL DIVISION, MITOSIS
R01DE-04960-07 Mechanisms of salivary gland development (mice, rabbits, rats)
R23DE-06091-03 Primary human cells--A model for materials testing (tissue culture)
R01DE-06852-02 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
R03DE-07279-01 Dental diseases and a gene map of human chromosome 4

GENETICS, DEVELOPMENTAL GENETICS
SEE ALSO CONGENITAL ABNORMALITIES
SEE ALSO GENETIC DISORDERS (SEE ALSO APPROPRIATE CONGENITAL ABNORMALITIES)
SEE ALSO PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)
** P50DE-02668-19 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
R01DE-04316-09 Environmental control of neural crest development (mouse, chick embryos)
** R01DE-04960-07 Mechanisms of salivary gland development (mice, rabbits, rats)
** R01DE-07168-02 Membrane function during germination of Candida albicans (mice)

GENETICS, EXTRACHROMOSOMAL INHERITANCE, PLASMIDS
P50DE-02670-19 0040 Institute of dental research - Streptococcus mutans strains common to mother and child (mammals)
** P50DE-02731-19 0019 Development support for dental research institute - Molecular biology laboratory
** R01DE-04224-11 Studies on the genetics of oral microflora (rats)
R01DE-06082-03 Genetic analysis of streptococcus mutans cariogenicity
** R03DE-06814-02 Transposon mutagenesis of the oral streptococci
P50DE-07003-02 0003 Rochester caries research center - Genetics of Streptococcus mutans

GENETICS, GENES
SEE ALSO IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL
** P50DE-02623-18 0036 Center for oral health research - Enamel proteins and their genes

GENETICS, GENES, GENE EXPRESSION
SEE ALSO GENETICS, GENOTYPES
** P50DE-02600-19 0023 Support for oral biology research center - Regulation of antibody response (mice)
P50DE-02623-18 0035 Center for oral health research - Cellular aspects of the muring IgA response
** P01DE-02848-15 0010 Biology of connective tissue, bones, and teeth - Enamel gene expression during vertebrate tooth development (animals)
P01DE-02872-16 0062 Center for craniofacial anomalies - Growth studies
P01DE-02872-16 0063 Center for craniofacial anomalies - Genetic studies (human)
R01DE-03606-16 Morphogenesis of bacteriophage Phi-29
P01DE-03610-19 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis
** R01DE-03658-21 Genetic polymorphisms of saliva (human, mice)
R01DE-04511-10 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-04960-07 Mechanisms of salivary gland development (mice, rabbits, rats)
R01DE-04970-07 Nuclear composition and organization for odontogenesis (rats)
** R01DE-05606-05 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
R01DE-06082-03 Genetic analysis of streptococcus mutans cariogenicity
R01DE-06395-03 Molecular basis of the ecology of oral streptococci
R01DE-06624-03 OAF synthesis in periodontal disease (human)
R01DE-06635-03 Tissue interactions and salivary cytodifferentiation (rats, rabbits)
R01DE-06645-03 Genetic regulation of B cell replication and function (mice)
R01DE-06671-03 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)
** R01DE-06801-03 Mutants to study S mutans pathogenicity (mammals)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

R01DE-06860-02 Complement monocyte interactions in periodontal disease
R01DE-06886-02 Bioactive factors from demineralized adult bone (chick embryo)
R03DE-06940-01 Comparisons of microvessels and osteoblasts in vitro
** R01DE-06988-01 Determination and expression of amelogenin gene products (mice)
R01DE-07062-01 Cleft lip and palate in Los Angeles Hispanics
R01DE-07120-02 Cell-substrate interaction in craniofacial morphogenesis
R23DE-07256-02 Attachment protein interaction with periodontal bacteria (mice)
R03DE-07279-01 Dental diseases and a gene map of human chromosome 4
R03DE-07418-01 Dentinogenesis imperfecta--Chromosome mapping
R03DE-07430-01 A study of facial features in cleft lip-palate families (human)

GENETICS, GENES, ONCOGENES
** R01DE-04970-07 Nuclear composition and organization for odontogenesis (rats)

GENETICS, GENES, OPERON, REGULATORY GENE
R03DE-07314-01 Genetics of streptococcus sanguis (rats)

GENETICS, GENES, OPERON, STRUCTURAL GENE
R01DE-06866-02 Deoxyuridine metabolism in herpes labialis (rabbit, human)

GENETICS, GENETIC LIBRARIES
R01DE-04971-07 Salivary mucins and dental diseses (human)
P50DE-07118-01 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection

GENETICS, GENETIC REGULATION
R01DE-01374-25 Matrix component interactions in bone and dentin (rabbits, rats, mice)
R01DE-06624-03 OAF synthesis in periodontal disease (human)
** R01DE-06645-03 Genetic regulation of B cell replication and function (mice)
R01DE-06673-03 Genetic and biochemical bases for S mutans virulence (rabbits)

GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSCRIPTION
P50DE-02600-19 0023 Support for oral biology research center - Regulation of antibody response (mice)
P01DE-02848-15 0010 Biology of connective tissue, bones, and teeth - Enamel gene expression during vertebrate tooth development (animals)
R01DE-03606-16 Morphogenesis of bacteriophage Phi-29
R01DE-04511-10 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-04960-07 Mechanisms of salivary gland development (mice, rabbits, rats)
R01DE-06624-03 OAF synthesis in periodontal disease (human)
R01DE-06645-03 Genetic regulation of B cell replication and function (mice)
R01DE-06970-02 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R01DE-06988-01 Determination and expression of amelogenin gene products (mice)

GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSLATION
P50DE-02623-18 0036 Center for oral health research - Enamel proteins and their genes
R01DE-04960-07 Mechanisms of salivary gland development (mice, rabbits, rats)
R01DE-06852-02 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
R01DE-06970-02 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R01DE-06988-01 Determination and expression of amelogenin gene products (mice)
R23DE-07710-01 New targets for anti-herpes simplex virus chemotherapy (rabbits)

GENETICS, GENOTYPES
R03DE-07279-01 Dental diseases and a gene map of human chromosome 4
R03DE-07430-01 A study of facial features in cleft lip-palate families (human)

GENETICS, GENOTYPES, HETEROZYGOTES
SEE ALSO GENETIC DISORDERS, AUTOSOMAL DOMINANT CONDITIONS
SEE ALSO GENETIC DISORDERS, AUTOSOMAL RECESSIVE CONDITIONS
P50DE-02600-19 0023 Support for oral biology research center - Regulation of antibody response (mice)

GENETICS, MICROBIAL
SEE ALSO GENETICS, POPULATION GENETICS MICROORGANISMS
SEE ALSO GENETICS, SOMATIC CELL AND TRANSFORMATION
SEE ALSO NUCLEIC ACIDS, DNA BACTERIAL
SEE ALSO NUCLEIC ACIDS, DNA VIRAL
** P50DE-02623-18 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
R01DE-03258-14 Cloning of streptococcus mutans genes (human, rabbits)
R01DE-03758-11 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
** R01DE-04224-11 Studies on the genetics of oral microflora (rats)
** R01DE-04645-08 A genetic-biochemical analysis of spirochete motility (mice)
R01DE-05180-07 Regulation of surface synthesis in Streptococcus mutans
R03DE-06814-02 Transposon mutagenesis of the oral streptococci
P50DE-07003-02 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
** P50DE-07003-02 0003 Rochester caries research center - Genetics of Streptococcus mutans
R01DE-07344-01 Black-pigmented bacteroides- Drug resistance and virulence

GENETICS, MICROBIAL, BACTERIAL
SEE ALSO GENETICS, EXTRACHROMOSOMAL INHERITANCE, PLASMIDS
SEE ALSO NUCLEIC ACIDS, DNA BACTERIAL
** P50DE-02731-19 0019 Development support for dental research institute - Molecular biology laboratory
R01DE-03258-14 Cloning of streptococcus mutans genes (human, rabbits)
R01DE-03758-11 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
** R01DE-04224-11 Studies on the genetics of oral microflora (rats)
R01DE-04529-09 Replacement therapy of dental caries (rats)
** R01DE-04645-08 A genetic-biochemical analysis of spirochete motility (mice)
R01DE-05606-05 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
** R01DE-06031-03 Population genetics of the Streptococcus mutans complex (human)
** R01DE-06082-03 Genetic analysis of streptococcus mutans cariogenicity
** R01DE-06395-03 Molecular basis of the ecology of oral streptococci
R01DE-06669-03 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
** R01DE-06673-03 Genetic and biochemical bases for S mutans virulence (rabbits)
R01DE-06962-02 Surface protein antigens of cariogenic streptococci
** R01DE-07126-02 Molecular taxonomy of non-hemolytic streptococci
** R03DE-07314-01 Genetics of streptococcus sanguis (rats)
R23DE-07388-01 Glucan-mediated intraoral demineralization by S mutans (human)

GENETICS, MICROBIAL, TRANSFORMATION MICROBIAL
R01DE-0608?-03 Genetic analysis of streptococcus mutans cariogenicity

GENETICS, MICROBIAL, VIRAL
SEE ALSO GENETICS, GENES, ONCOGENES
SEE ALSO NUCLEIC ACIDS, DNA VIRAL
R01DE-03606-16 Morphogenesis of bacteriophage Phi-29
R23DE-07710-01 New targets for anti-herpes simplex virus chemotherapy (rabbits)

GENETICS, MUTAGENS
SEE ALSO CONGENITAL ABNORMALITIES, TERATOGENIC AGENTS
SEE ALSO GENETICS, RADIATION GENETICS
R23DE-06091-03 Primary human cells--A model for materials testing (tissue culture)
** R03DE-06814-02 Transposon mutagenesis of the oral streptococci

GENETICS, MUTAGENS, MUTAGEN TESTS
R01DE-03758-11 Virulence and competition against streptococcus mutans (hamsters, mice, rats)

GENETICS, MUTATION
R01DE-03758-11 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
R01DE-04316-09 Environmental control of neural crest development (mouse, chick embryos)

GENETICS, MUTATION, GENE MUTATION
P50DE-02600-19 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)

GENETICS, MUTATION, MUTANTS*
SEE ALSO BIOLOGY, SYSTEMATIC, GENETIC STRAINS
P50DE-02623-18 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
R01DE-04529-09 Replacement therapy of dental caries (rats)
R01DE-06744-02 Adherence of oral bacteria to cell surface components (humans, rabbits)
** R01DE-06801-03 Mutants to study S mutans pathogenicity (mammals)
P50DE-07003-02 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)

GENETICS, POPULATION GENETICS, INBREEDING
P50DE-02668-19 0213 Regional dental research center - Action of androgen on submaxillary gland function

GENETICS, POPULATION GENETICS HUMAN
SEE ALSO GENETIC DISORDERS, GENETIC COUNSELING
R01DE-03658-21 Genetic polymorphisms of saliva (human, mice)
** R01DE-06069-03 A genetic study of cleft lip and cleft palate in Hawaii
R01DE-06514-04 Oral diseases and diabetes in the Gila River Indian Community
** R01DE-07062-01 Cleft lip and palate in Los Angeles Hispanics
** P50DE-07118-01 0001 Periodontal diseases research center - Clinical studies (children)
** R03DE-07274-01 Detecting heterogeneity in juvenile periodontitis (human)
** R03DE-07279-01 Dental diseases and a gene map of human chromosome 4
R03DE-07430-01 A study of facial features in cleft lip-palate families (human)

GENETICS, POPULATION GENETICS MICROORGANISMS
** R01DE-06031-03 Population genetics of the Streptococcus mutans complex (human)

GENETICS, RADIATION GENETICS
R01DE-07713-04 Low-dose x-radiation effects on DMBA-DNA interactions

GENETICS, RECOMBINATION
R01DE-06866-02 Deoxyuridine metabolism in herpes labialis (rabbit, human)

GENETICS, RECOMBINATION, SISTER CHROMATID EXCHANGE
R23DE-06091-03 Primary human cells--A model for materials testing (tissue culture)

GENETICS, SOMATIC CELL AND TRANSFORMATION
SEE ALSO BIOLOGY, POLYMORPHISM
SEE ALSO TISSUE MOSAICISM
SEE ALSO VIRUS CHARACTERISTICS, TRANSFORMING VIRUSES
R01DE-04511-10 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-06622-02 Molecular mechanisms of periodontal disease

GENETICS AND DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, GENETICS AND DIABETES

GENETICS STUDY SECTION
** R01DE-04224-11 Studies on the genetics of oral microflora (rats)

GENITAL HERPES
SEE VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX, HERPES GENITALIS

GENOME
SEE GENETICS, CHROMOSOME COMPLEMENT, GENOME

GENOMIC LIBRARIES
SEE GENETICS, GENETIC LIBRARIES

GENOTYPES
SEE GENETICS, GENOTYPES

GEOGRAPHICAL SITES, UNITED STATES
P01DE-01850-22 0071 Nutritional sources and metabolic roles of fluoride - Daily dietary fluoride intake of children and young adults

GERIATRIC HEALTH CARE
SEE HEALTH CARE SERVICES FOR THE ELDERLY

GERIATRICS
SEE AGING

GERM CELL NEOPLASMS
SEE NEOPLASMS OF REPRODUCTIVE SYSTEM, GERM CELL NEOPLASMS

GERM-FREE
SEE COMMUNICABLE DISEASE CONTROL, GERM-FREE

GERM LAYERS
SEE EMBRYOLOGY, GERM LAYERS

GERMICIDES, THERAPEUTIC
SEE COMMUNICABLE DISEASE CONTROL AGENTS

GERONTOLOGY
SEE AGING

GESTATIONAL AGE (INTERIOR GESTATION)
SEE PREGNANCY, EMBRYO-FETUS, GESTATIONAL AGE

GINGIVA
SEE DENTAL STRUCTURE, GINGIVA

GINGIVAL CURETTAGE
SEE DENTISTRY, SUBGINGIVAL CURETTAGE

GINGIVAL DISORDERS
SEE DENTAL DISORDERS, GINGIVAL

(contd)

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**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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GINGIVAL HYPERPLASIA
SEE DENTAL DISORDERS, GINGIVAL HYPERPLASIA

GINGIVAL SULCUS
SEE DENTAL STRUCTURE, GINGIVA, GINGIVAL SULCUS

GINGIVECTOMY
SEE DENTISTRY, GINGIVECTOMY

GINGIVITIS
SEE DENTAL DISORDERS, GINGIVITIS

GLANDS
SEE ORAL-PHARYNGEAL, SALIVARY GLANDS
SEE REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS
SEE REPRODUCTIVE SYSTEM MALE, PROSTATE
SEE TISSUE, EXOCRINE GLANDS (GENERAL)

GLASS
SEE PHYSICAL PROPERTIES, SOLID STATE, AMORPHOUS SOLIDS
SEE SILICATES, GLASS

GLASS STATE
SEE PHYSICAL PROPERTIES, SOLID STATE, AMORPHOUS SOLIDS

GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN(S)
SEE ALSO IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL
SEE ALSO IMMUNOLOGY, ANTIBODIES
SEE ALSO IMMUNOLOGY, ANTIBODIES, ANTIBODY RECEPTORS
** P50DE-02600-19 0023 Support for oral biology research center - Regulation of antibody response (mice)
P50DE-07009-02 0004 Specialized caries research centers - Immunological aspects of root caries (human)

GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN A
SEE ALSO IMMUNOLOGY, SECRETORY (ANTIBODY) (FACTOR) SYSTEM
R01DE-01554-24 Host factors in caries resistance (human, bacteria)
** P50DE-02623-18 0035 Center for oral health research - Cellular aspects of the murine IgA response
** P50DE-02670-19 0018 Institute of dental research - Immune response to Streptococcus mutans
** P50DE-02670-19 0037 Institute of dental research - IgA responses to S mutans--Induction and regulation
R01DE-03420-13 Immune phenomena in experimental periodontal disease (rats)
R01DE-04518-09 Streptococcus sanguis receptors for salivary glycoproteins
R01DE-04614-09 Adherence of oral streptococci to hydroxyapatite
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
R01DE-05626-05 Role of complement in periodontal disease
R23DE-06066-03 Orally induced suppression in periodontal disease (rabbits, rats)
R01DE-06153-04 Antibody to glucosyltransferase in adults and children
R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
P50DE-07118-01 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
** R03DE-07142-01 Leukocyte IgA Fc receptors (human)
** R01DE-07257-02 IgA protease and dental caries
** R23DE-07318-01 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)
N01DE-42551-01 Develop antigens and adjuvants for carries immunity

GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN D
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN E
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)

GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN G
R01DE-03420-13 Immune phenomena in experimental periodontal disease (rats)
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
R01DE-05626-05 Role of complement in periodontal disease
R01DE-05690-04 Localization of the procollagens in dental tissues (rats, mice, rabbits)
R01DE-05696-05 Streptococcus mutans interaction with animal tissue (human, rabbits)
R23DE-06066-03 Orally induced suppression in periodontal disease (rabbits, rats)
** R01DE-06643-03 Role of IgA and PMNs in defense of periodontal tissues (mice, rabbits, rats)
R01DE-06740-02 Human antibody responsiveness and dental caries
R01DE-07008-03 Herpes virus antibodies in patients with oral cancer
P50DE-07118-01 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
P50DE-07118-01 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
** R03DE-07142-01 Leukocyte IgA Fc receptors (human)
R23DE-07318-01 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)
N01DE-42551-01 Develop antigens and adjuvants for carries immunity

GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN M
P50DE-02670-19 0018 Institute of dental research - Immune response to Streptococcus mutans
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
P50DE-07118-01 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
P50DE-07118-01 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
R23DE-07318-01 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)
N01DE-42551-01 Develop antigens and adjuvants for carries immunity

GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN BIOSYNTHESIS
SEE ALSO IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL
P50DE-02600-19 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
R01DE-05626-05 Role of complement in periodontal disease

GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN STRUCTURE
SEE ALSO IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL
P50DE-02670-19 0018 Institute of dental research - Immune response to Streptococcus mutans

ALPHA1,4-GLUCAN GLUCOHYDROLASE
SEE CARBOHYDRASES, ALPHA 1,4-GLUCAN GLUCOHYDROLASE

GLUCANS
SEE HEXOSANS, GLUCANS

GLUCOAMYLASE
SEE CARBOHYDRASES, ALPHA 1,4-GLUCAN GLUCOHYDROLASE

GLUCOCORTICOIDS
SEE ADRENAL CORTEX HORMONES, GLUCOCORTICOIDS

ALPHA-D-GLUCOPYRANOSYL-BETA-D-FRUCTOFURANOSIDE
SEE DISACCHARIDES, SUCROSE

GLUCOSAMINOGLYCANS
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS

GLUCOSE
SEE HEXOSES, GLUCOSE

D-GLUCOSE
SEE HEXOSES, GLUCOSE

GLUCOSE METABOLISM
SEE CARBOHYDRATES METABOLISM, GLUCOSE METABOLISM

GLUCOSE TOLERANCE
SEE CARBOHYDRATE BALANCE, GLUCOSE TOLERANCE

GLUCOSE TRANSPORT
SEE CARBOHYDRATES TRANSPORT, GLUCOSE TRANSPORT

BETA-GLUCURONIDASE
SEE CARBOHYDRASES, BETA-GLUCURONIDASE

GLUCURONOSYLTRANSFERASES
SEE GLYCOSYLTRANSFERASES, GLUCURONOSYLTRANSFERASES

GLUES
SEE CONSUMER PRODUCTS, GLUES AND ADHESIVES

GLUTAMYL PEPTIDES
SEE PEPTIDES, HOMOPEPTIDES, GLUTAMYL

GLUTAMYL TRANSPEPTIDASE
SEE PROTEASES AND PEPTIDASES, GLUTAMYL TRANSPEPTIDASE

GLUTARATES
SEE DICARBOXYLIC ACIDS, GLUTARATES

GLYCERIC ACID PHOSPHATES
SEE TRIOSE ACIDS, GLYCERIC ACID PHOSPHATES

GLYCEROPHOSPHATES
SEE TRIOSE ALCOHOLS, GLYCEROPHOSPHATES

GLYCERYL PHOSPHATES
SEE TRIOSE ALCOHOLS, GLYCEROPHOSPHATES

GLYCINE
SEE AMINO ACIDS, GLYCINE

GLYCINEMIA
SEE METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA

GLYCOGEN
SEE HEXOSANS, GLUCANS, GLYCOGEN

GLYCOGENESIS
SEE CARBOHYDRATES BIOSYNTHESIS

GLYCOLIPIDS
R01DE-05666-05 Biochemistry of salivary lipids (rats, human)
R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)

GLYCOLIPOPEPTIDES
SEE ALSO POLYSACCHARIDES, LIPOPOLYSACCHARIDES
R23DE-06945-03 Identification of microbial lectins (rabbits)

GLYCOLYSIS
SEE HEXOSES, GLYCOLYSIS

GLYCOPROTEIN G VIRAL
SEE PROTEINS, VIRAL (GENERAL)

GLYCOPROTEINS
SEE ALSO CARBOHYDRATES, PROTEIN BOUND CARBOHYDRATES
SEE ALSO GLYCOLIPOPEPTIDES
SEE ALSO METALLOPROTEINS, LACTOFERRIN
SEE ALSO PROTEOGLYCANS
R01DE-01374-25 Matrix component interactions in bone and dentin (rabbits, rats, mice)
R01DE-01554-24 Host factors in caries resistance (human, bacteria)
** P50DE-02623-18 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
P50DE-02668-19 0168 Regional dental research center - Platelets and thrombin (human)
P50DE-02670-19 0001 Institute of dental research - X-ray crystallography program
P50DE-02670-19 0003 Institute of dental research - Macromolecules of mineralized tissues
P50DE-02670-19 0029 Institute of dental research - Structure and interactions of proteoglycans
** P50DE-02670-19 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)
P01DE-02847-17 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
R01DE-03187-14 Transport in enamel and solubility of enamel (human)
R01DE-03731-10 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03915-12 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
R01DE-04230-10 Comparative ultrastructure of mammalian amelogenesis (cats)
R01DE-04316-09 Environmental control of neural crest development (mouse, chick embryos)
R01DE-04321-11 Cell adherence of dental plaque forming streptococci (rabbits)
** R01DE-04518-09 Streptococcus sanguis receptors for salivary glycoproteins
R01DE-04971-07 Salivary mucins and dental diseases (human)
R01DE-05092-07 Proteins involved in dentinogenesis
** R01DE-05251-06 Salivary gland secretory mechanisms (rats)
** R01DE-05672-03 Anionic salivary proteins in dental integuments (Macaca facicularis)
R01DE-06051-04 Membranes of the dental pathogen Streptococcus mutans (rabbits)
R23DE-06243-03 The extracellular matrix in neural crest formation (mice, chick, rat)
R01DE-06744-02 Adherence of oral bacteria to cell surface components (humans, rabbits)
** R01DE-06970-02 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R01DE-06977-02 Oral mucosa in vitro (mice, rats, guinea pigs)
R01DE-06989-01 Neutrophil function in periodontal disease (human)
P50DE-07003-02 0004 Rochester caries research center - Salivary pellicle and dental caries (human)
R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R01DE-07341-01 Second messenger function in exocrine glands (rats)

GLYCOPROTEINS, FIBRONECTIN
P01DE-02848-15 0009 Biology of connective tissue, bones, and teeth - Epithelial-mesenchymal interactions and palate morphogenesis
** R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
R01DE-05379-05 Morphogenesis and maturation of craniofacial sutures (animals)
R01DE-05630-05 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
R01DE-06028-02 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R03DE-07014-01 Human PDL cell attachment to root surfaces
R23DE-07075-01 Tissue interactions in root development (mice)
R01DE-07120-02 Cell-substrate interaction in craniofacial morphogenesis

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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** R01DE-07218-01 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)
R23DE-07256-02 Attachment protein interaction with periodontal bacteria (mice)
R03DE-07278-01 Laminin and immune intervention in periodontal disease

GLYCOPROTEINS, LAMININ
P01DE-02848-15 0009 Biology of connective tissue, bones, and teeth - Epithelial-mesenchymal interactions and palate morphogenesis
R01DE-06028-02 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R23DE-07075-01 Tissue interactions in root development (mice)
** R03DE-07278-01 Laminin and immune intervention in periodontal disease
R03DE-07288-01 Human basement membrane tumors (nude mice, tissue culture)
R03DE-07424-01 Bacterial invasion of a basement membrane - like matrix in vitro

GLYCOSAMINOGLYCANS
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS

GLYCOSIDASES
SEE CARBOHYDRASES

GLYCOSIDE HYDROLASES
SEE CARBOHYDRASES

GLYCOSYLATION
SEE CHEMICAL REACTIONS, GLYCOSYLATION

GLYCOSYLTRANSFERASES
P50DE-02670-19 0024 Institute of dental research - Biosynthesis of heparin and heparin sulfate
P50DE-02670-19 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology
R01DE-03258-14 Cloning of streptococcus mutans genes (human, rabbits)
R01DE-03578-14 Biosynthetic study of dental plaque polysaccharides (bacteria)
** R01DE-03731-10 Studies on the dextran sucrase of Streptococcus sanguis
** R01DE-03739-13 Glycosyltransferases from oral bacteria
R01DE-06801-03 Mutants to study S mutans pathogenicity (mammals)
R01DE-07120-02 Cell-substrate interaction in craniofacial morphogenesis

GLYCOSYLTRANSFERASES, GLUCURONOSYLTRANSFERASES
R01DE-03758-11 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
** R01DE-04733-08 Secretory immune response and S mutans glucosyltransferase (mammals)
** P50DE-07003-02 0003 Rochester caries research center - Genetics of Streptococcus mutans
R23DE-07388-01 Glucan-mediated intraoral demineralization by S mutans (human)

GLYCOSYLTRANSFERASES, PURINE NUCLEOSIDE PHOSPHORYLASE
P50DE-02670-19 0001 Institute of dental research - X-ray crystallography program

GLYCOSYLTRANSFERASES, UDP GLUCOSE:D-GLUCOSE-6-PHOSPHATE 1-GLUCOSYLTRANSFERASE
** R01DE-06153-04 Antibody to glucosyltransferase in adults and children

GMP CYCLIC
SEE PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES, GMP CYCLIC

GNOTOBIOTICS
SEE COMMUNICABLE DISEASE CONTROL, GERM-FREE

GOLD
SEE METALS, HEAVY METALS, GOLD (COMPOUNDS)

GOLGI APPARATUS
SEE CELL COMPONENTS, GOLGI APPARATUS

GONADOBLASTOMA
SEE NEOPLASMS OF REPRODUCTIVE SYSTEM, GERM CELL NEOPLASMS

GORETEX
SEE PLASTICS, FLUOROCARBON POLYMERS

GOVERNMENTAL HEALTH ORGANIZATIONS
SEE HEALTH AND SCIENTIFIC ORGANIZATIONS, GOVERNMENTAL

GPL-A LOCUS (GUINEA PIG)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

GRAFTS
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION

GRAM-NEGATIVE ANAEROBIC BACTERIA
SEE BACTERIA, ACTINOMYCETALES, LEPTOTRICHIA*

GRAM-NEGATIVE ANAEROBIC COCCI
SEE BACTERIA, NEISSERIACEAE, VEILLONELLA*

GRAM-NEGATIVE BACTERIA
SEE BACTERIA, GRAM-NEGATIVE*

GRAM-NEGATIVE FACULTATIVELY ANAEROBIC RODS
SEE BACTERIA, BRUCELLACEAE, HEMOPHILUS*
SEE BACTERIA, PSEUDOMONADALES, VIBRIO*

GRAM-POSITIVE BACTERIA
SEE BACTERIA, GRAM-POSITIVE*

GRAMICIDIN
SEE ANTIBIOTICS, GRAMICIDIN (UNSPECIFIED)

GRANULOCYTE-MEDIATED TUMOR CELL CYTOTOXICITY
SEE IMMUNITY, CELLULAR, CELL-MEDIATED IMMUNE RESPONSES

GRANULOCYTES (GENERAL)
SEE BLOOD CELLS, LEUKOCYTES, GRANULOCYTES (GENERAL)

GROUND CYTOPLASM
SEE CELL COMPONENTS, CYTOPLASM

GROUND SUBSTANCE (CELL)
SEE CELL COMPONENTS, CYTOPLASM

GROUND SUBSTANCE (EXTRACELLULAR)
SEE CELL COMPONENTS, EXTRACELLULAR MATRIX

GROUP PROCESSES
SEE PSYCHOLOGY SOCIAL, GROUP PROCESSES

GROWTH AND DEVELOPMENT
SEE ALSO BODY PHYSICAL CHARACTERISTICS, BODY WEIGHT
SEE ALSO CELL DIVISION
SEE ALSO CELL GROWTH REGULATION
SEE ALSO CHILD DEVELOPMENT (NON-PSYCHOLOGICAL)
SEE ALSO CHILD MENTAL DEVELOPMENT
SEE ALSO GENETICS, DEVELOPMENTAL GENETICS
SEE ALSO GROWTH MICROORGANISMS
SEE ALSO NUTRITION, DEVELOPMENTAL NUTRITION
SEE ALSO POPULATION STUDIES CELL
P50DE-02668-19 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
P50DE-02670-19 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)
P01DE-02848-15 0009 Biology of connective tissue, bones, and teeth - Epithelial-mesenchymal interactions and palate morphogenesis
** P01DE-02872-16 0062 Center for craniofacial anomalies - Growth studies
M P01DE-03610-19 Craniofacial growth and development
R01DE-04008-11 Cellular and developmental control of calcification (chick embryo)
** R01DE-04897-05 Functional development of salivary glands (rats)
R01DE-04940-07 Muscular disorders in craniofacial malformations (human)
** R01DE-04960-07 Mechanisms of salivary gland development (mice, rabbits, rats)
R01DE-05232-07 Musculoskeletal adaptation to increased midfacial height (monkeys)
R01DE-05396-05 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-05632-05 Development of salivary gland secretory function (rats)
** R01DE-05905-04 Neural organization of complex muscles (swine)
** R01DE-06528-03 Trigeminal primary afferent organization and development (rats)
R01DE-06632-03 Origin and patterning of head muscles, bones and nerves (quail, chick embryos)
R01DE-06671-03 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)
** R01DE-06765-02 Ion transport through the maturation stage enamel organ (cows, rats)
R01DE-06970-02 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
** R23DE-07182-01 Tooth wear and tooth use in Cercopithecus aethiops (green monkeys)
R03DE-07278-01 Laminin and immune intervention in periodontal disease
** R01DE-07332-01 Analysis of utility of implants in craniofacial research

GROWTH AND DEVELOPMENT, HISTOGENESIS
SEE ALSO CELL-CELL INTERACTION, CELL AGGREGATION
SEE ALSO CELL DIFFERENTIATION
SEE ALSO CONGENITAL ABNORMALITIES
SEE ALSO CONNECTIVE TISSUE DEVELOPMENT
SEE ALSO DENTAL DEVELOPMENT
SEE ALSO NEUROLOGY, DEVELOPMENTAL, NEUROGENESIS
SEE ALSO SKELETAL SYSTEM, BONE DEVELOPMENT
SEE ALSO SKELETAL SYSTEM, CARTILAGE DEVELOPMENT
P01DE-01697-23 0040 A research program in craniofacial problems - Pattern recognition for reconstruction of nasal capsular anatomy (primates)
R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
M P01DE-02848-15 Biology of connective tissue, bones, and teeth
P01DE-02848-15 0007 Biology of connective tissue, bones, and teeth - Extracellular matrix and epithelial gene expression (animals)
R01DE-03606-16 Morphogenesis of bacteriophage Phi-29
** R01DE-04316-09 Environmental control of neural crest development (mouse, chick embryos)
** R01DE-04849-06 Tissue interactions in the cranio-facial region (mice, chick embryos)
R01DE-04897-05 Functional development of salivary glands (rats)
R01DE-05323-04 Calcium ion interactions in developing dental tissues (rats)
** R01DE-05379-05 Morphogenesis and maturation of craniofacial sutures (animals)
** R01DE-05616-07 Matrix-cell interaction in craniofacial development (chick and quail embryos)
** R01DE-05630-05 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
** R01DE-05838-06 Morphogenetic role of glycosaminoglycans (chick embryo)
R01DE-06635-03 Tissue interactions and salivary cytodifferentiation (rats, rabbits)
R01DE-06852-02 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
** R01DE-07120-02 Cell-substrate interaction in craniofacial morphogenesis
R23DE-07190-01 Craniofacial ossification during anuran metamorphosis

GROWTH AND DEVELOPMENT, HISTOGENESIS, BLASTEMA
** R01DE-06397-03 Biochemical aspects of orofacial development

GROWTH AND DEVELOPMENT, KERATINIZATION
P50DE-02731-19 0032 Development support for dental research institute - Experimental cytology laboratory (rats)
R01DE-04511-10 Stability of differentiation--Craniofacial study (mice, human, hamsters)
** R01DE-04660-10 Keratohyalin in keratinization--Oral mucosa and skin (human)
** R01DE-06028-02 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R03DE-07148-01 Effect of epidermal growth factor on tooth development (mice)

GROWTH AND DEVELOPMENT, METAMORPHOSIS
R01DE-05574-05 Neural aspects of craniofacial morphogenesis (frogs)
R01DE-07620-01 Neural aspects of craniofacial morphogenesis (frogs)

GROWTH AND DEVELOPMENT, REGENERATION
SEE ALSO INJURIES, WOUND HEALING
SEE ALSO NERVOUS SYSTEM REGENERATION
SEE ALSO SKELETAL SYSTEM REGENERATION
SEE ALSO SKELETAL SYSTEM REGENERATION, BONE REGENERATION
** P50DE-02731-19 0033 Development support for dental research institute - Epidemiology laboratory (human)
R01DE-05395-06 Stem cells in oral mucosa (mice)
** R01DE-05838-06 Morphogenetic role of glycosaminoglycans (chick embryo)
** R01DE-06250-03 Histologic evaluation of new attachments in humans
** R23DE-06766-02 Surgical regeneration of the periodontium (dogs)
R01DE-06977-02 Oral mucosa in vitro (mice, rats, guinea pigs)
R03DE-07278-01 Laminin and immune intervention in periodontal disease
M P01DE-07687-04 Regeneration and transplantation of skeletal muscle

GROWTH DISORDERS POSTNATAL (SEE ALSO APPROPRIATE SPECIFICS)
SEE ALSO PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)
SEE ALSO SKELETAL DISORDERS, BONE DEVELOPMENT
R01DE-05215-07 Influences on stability following orthognathic surgerya (human)
** R01DE-06424-01 Development of oral tissues after early undernutrition (human)
R03DE-07301-01 Congenital effects of low mercury and lead exposure (human)

GROWTH DISORDERS PRENATAL
SEE PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

GROWTH FACTOR NERVE
SEE GROWTH FACTORS (INCL. ANABOLICS), NERVE GROWTH FACTOR

GROWTH FACTORS (INCL. ANABOLICS)
R02DE-07404-01 Collagen matrices for oral epithelium in vitro (human, rats)

GROWTH FACTORS (INCL. ANABOLICS), EPIDERMAL GROWTH FACTOR
** P50DE-02668-19 0213 Regional dental research center - Action of androgen on submaxillary gland function
** R01DE-06848-02 Androgen control of salivary gland EGF in cleft palate (mice)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

** R01DE-06955-02 Epidermal growth factor and tooth development (mice)
** R03DE-07148-01 Effect of epidermal growth factor on tooth development (mice)

GROWTH FACTORS (INCL. ANABOLICS), NERVE GROWTH FACTOR
** R03DE-07156-01 Regulation of dental innervation by trophic factors

GROWTH FACTORS (INCL. ANABOLICS), PLATELET DERIVED GROWTH FACTOR
R01DE-03301-15 Connective tissues of the periodontium (human, dog)
** R23DE-07006-01 Synthesis of a craniofacial wound healing factor (human)
** R03DE-07556-01 Investigation of PDGF receptors on U20s osteosarcoma cells (tissue culture)
** R23DE-07559-01 Synthesis of a craniofacial wound healing factor (human)

GROWTH HORMONE-RELEASE INHIBITING FACTOR (GIF)
SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN

GROWTH HORMONES INVERTEBRATE
SEE ENDOCRINOLOGY INVERTEBRATE, INVERTEBRATE HORMONES

GROWTH INHIBITORS
SEE ALSO NEOPLASTIC THERAPY, CARCINOGENESIS INHIBITORS
R01DE-05640-05 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R23DE-07077-01 Cell surface regulation in a cariogenic streptococci
R01DE-07168-02 Membrane function during germination of Candida albicans (mice)

GROWTH MEDIA
SEE ALSO AGRICULTURE, FERTILIZERS
R01DE-05144-06 Periodontal disease--Role of spirochetes (rabbits)
R01DE-06030-04 Metronidazole therapy in periodontal disease (human)
R01DE-06744-02 Adherence of oral bacteria to cell surface components (humans, rabbits)

GROWTH MICROORGANISMS
** P50DE-02600-19 0045 Support for oral biology research center - Colonization by oral gram negative anaerobic bacteria
P50DE-02731-19 0034 Development support for dental research institute - Microbial biochemistry laboratory
P01DE-02847-17 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
P01DE-02847-17 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
R01DE-05144-06 Periodontal disease--Role of spirochetes (rabbits)
R01DE-05606-05 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
** R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R01DE-07267-02 Periodontopathic bacteria--Chemical-biologic nature (animals)

GROWTH MICROORGANISMS, MICROBIAL CULTURE
R01DE-01554-24 Host factors in caries resistance (human, bacteria)
R01DE-03487-14 Inhibition of human cariogenic streptococci
R01DE-03488-14 Microbial composition of developing dental plaque (human, bacteria)
P50DE-04881-09 0002 Clinical research in periodontal disease - Relationship of subgingival microbiota to the etiology of periodontal diseases
R01DE-05144-06 Periodontal disease--Role of spirochetes (rabbits)
R01DE-06030-04 Metronidazole therapy in periodontal disease (human)
R01DE-06031-03 Population genetics of the Streptococcus mutans complex (human)
R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
** P50DE-07117-01 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)

GROWTH REGULATION, CELLULAR
SEE CELL GROWTH REGULATION

GROWTH RETARDATION INTRAUTERINE
SEE PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

GROWTH RETARDATION POSTNATAL
SEE GROWTH DISORDERS POSTNATAL (SEE ALSO APPROPRIATE SPECIFICS)

GUANIDINES, BIGUANIDES, CHLORHEXIDINE
R01DE-05334-05 Periodontal therapy by controlled local drug delivery (human)
** R01DE-06105-03 Using fluoride-chlorhexidine to prevent radiation caries (human)
P50DE-07003-02 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)

GUANINE
SEE PURINES, GUANINE

GUANOSINE
SEE PURINE NUCLEOSIDES, GUANINE NUCLEOSIDES, GUANOSINE

GUANOSINE MONOPHOSPHATE CYCLIC
SEE PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES, GMP CYCLIC

GUANYLATE CYCLASE
SEE NUCLEOTIDYL-CYCLASES, GUANYLATE CYCLASE

GUT LYMPHOID TISSUE DEPENDENT IMMUNITY
SEE IMMUNITY, HUMORAL IMMUNITY

H
SEE HYDROGEN

H ANTIGENS (HISTOCOMPATIBILITY)
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

H-2 LOCUS (MOUSE)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

H-2D ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

H-2G ANTIGENS
SEE TISSUE COMPATIBILITY TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

H-2K ANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

HALIDES
SEE HALOGENS (AND HALO COMPOUNDS), GENERAL

HALISTERESIS
SEE SKELETAL DISORDERS, BONE RESORPTION ABNORMAL

HALO COMPOUNDS
SEE HALOGENS (AND HALO COMPOUNDS), GENERAL

HALOALKYLAMINES, CYCLOPHOSPHAMIDE
R01DE-07686-01 Regulation of antibody response to bacterial antigens (bacteria, mice)

HALOGEN POISONING, FLUOROSIS
SEE ALSO DENTAL DISCOLORATION, DENTAL MOTTLING
** R01DE-06418-03 Laboratory and clinical studies of dental fluorosis
** R23DE-07384-01 Effects of chronic high fluoride on enamel development (rats)

HALOGENATION, FLUORIDATION-DEFLUORIDATION
R01DE-03917-10 Fluoride and the metabolism of plaque bacteria
R01DE-06418-03 Laboratory and clinical studies of dental fluorosis
** R23DE-06562-02 Fluoridation effects on dental demand (human)
** R23DE-07384-01 Effects of chronic high fluoride on enamel development (rats)
N01DE-32444-02 Pharmacology of intraoral fluoride-releasing device

HALOGENS (AND HALO COMPOUNDS), GENERAL
R23DE-06757-02 Myeloperoxidase selective killing of oral bacteria (rabbits)

HALOGENS, CHLORINE (COMPOUNDS) SEE ALSO SPECIFICS
R01DE-01912-22 Tooth enamel apatite at the atomic level (human)
R01DE-06185-02 Sympathectomized salivary glands--Cystic fibrosis model (rats)
** R01DE-06409-03 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)
R01DE-06996-01 Biological molecules in the corrosion of dental alloys

HALOGENS, FLUORINE (COMPOUNDS) SEE ALSO SPECIFICS
M P01DE-01850-22 Nutritional sources and metabolic roles of fluoride
** P01DE-01850-22 0071 Nutritional sources and metabolic roles of fluoride - Daily dietary fluoride intake of children and young adults
** P01DE-01850-22 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
** P01DE-01850-22 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
** P01DE-01850-22 0091 Nutritional sources and metabolic roles of fluoride - Metabolic changes in repletion of bone and effect of fluoride intake (rats)
** P01DE-01850-22 0092 Nutritional sources and metabolic roles of fluoride - Forms of fluoride in plaque (humans, rats)
P50DE-02668-19 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
P50DE-02670-19 0020 Institute of dental research - Effects of trace elements on tooth development and caries
R01DE-03223-15 Kinetics of mineralization of teeth (human)
** R01DE-03917-10 Fluoride and the metabolism of plaque bacteria
** R01DE-04387-09 Effect of fluoride on cAMP and glucose metabolism (rats)
** R01DE-05289-07 Uptake and binding by early enamel matrix (rats)
R01DE-05334-05 Periodontal therapy by controlled local drug delivery (human)
** R01DE-05628-06 Interaction between fluoride and other dietary minerals (rats)
** R01DE-06113-05 Determinants of fluoride in the oral environment (dogs, rats)
** R01DE-06429-04 Influence of acid-base status on fluoride metabolism (mammals)
R01DE-06569-04 Quantitation of enamel demineralization mechanisms
R01DE-06644-03 Physiology of oral bacteria--Sugar, PH and F relations
R23DE-06739-02 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
R01DE-06761-02 Prevention of surface zone limited caries of enamel
R01DE-06765-02 Ion transport through the maturation stage enamel organ (cows, rats)
P50DE-07003-02 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
P50DE-07003-02 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)
P50DE-07003-02 0008 Rochester caries research center - Identifying caries susceptible subjects
P50DE-07009-02 0001 Specialized caries research centers - Clinical studies of root caries (human)
R01DE-07223-01 Magnesium and calcium phosphate formation and stability (humans, fish)
R03DE-07299-01 Ultramicro analysis of plaque samples from single sites
R03DE-07319-02 Intermicroscopic correlation of remineralization
** R03DE-07410-01 Effect of fluoride nucleation on glass-ceramic formation
** R03DE-07426-01 Calcium, fluoride and hydrogen ions in caries (human)
** N01DE-12431-06 Clinical trail of a combined MFP-NaF dentifrice
** N01DE-22439-05 Cost of combined sealant and self-applied fluoride program
N01DE-42552-02 Prevent maternal transmission of streptococcus mutans (humans)
** N01DE-52556-00 Effect of brushing with fluoride gel on gingivitis

HALOGENS, IODINE (COMPOUNDS) SEE ALSO SPECIFICS
R01DE-05334-05 Periodontal therapy by controlled local drug delivery (human)
R01DE-06761-02 Prevention of surface zone limited caries of enamel

HANDICAPPED
SEE DISEASES, DISABLING, HANDICAPPED

HANDICAPPED CHILDREN
SEE CHILDREN, HANDICAPPED CHILDREN

HAPTENS
SEE IMMUNOLOGY, HAPTENS

HARDNESS, SOLID STATE
SEE PHYSICAL PROPERTIES, SOLID STATE, HARDNESS

HARE LIP
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT LIP

HAZARDS, OCCUPATIONAL
SEE OCCUPATIONAL HEALTH, OCCUPATIONAL HAZARDS

HAZARDS OF MEDICAL EQUIPMENT
SEE BIOMEDICAL ENGINEERING, MEDICAL EQUIPMENT SAFETY

HEAD
SEE BODY REGIONS, HEAD

HEAD AND NECK NEOPLASMS
SEE NEOPLASMS OF BODY REGIONS, HEAD AND NECK

HEAD MEASUREMENTS
SEE BODY PHYSICAL CHARACTERISTICS, CEPHALOMETRY

HEAD MOVEMENT
SEE SKELETAL MOVEMENT, HEAD MOVEMENT

HEADACHE
SEE NEUROLOGIC MANIFESTATIONS, HEADACHE

HEALING
SEE INJURIES, WOUND HEALING

HEALTH (ALSO PHYSICAL ACTIVITY)
SEE ALSO DENTAL HEALTH (ORAL HEALTH)
SEE ALSO DISEASES (SYMPTOMS AND GENERAL PATHOLOGY) --SEE ALSO SPECIFIC BODY SYSTEM DISEASES AND
SEE ALSO MENTAL HEALTH
SEE ALSO POPULATION STUDIES HUMAN, MORBIDITY

(contd)

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**Oriented significantly to above subject

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See Appendix for investigator's name and Grant Number

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SEE ALSO PSYCHOLOGY, ATTITUDE TO HEALTH AND HEALTH PROBLEMS
R23DE-07233-01 Multivariate analysis of saliva antimicrobial proteins (humans)

HEALTH, DISEASE PREVENTION AND CONTROL
SEE ALSO COMMUNICABLE DISEASE CONTROL
SEE ALSO DENTISTRY, PREVENTIVE
SEE ALSO DIAGNOSTIC SERVICES, MASS SCREENING
SEE ALSO DIAGNOSTIC TESTS, EARLY DIAGNOSIS*
SEE ALSO EPIDEMIOLOGY AND DISEASE CONTROL STUDY SECTION
SEE ALSO INJURY (HAZARDS) PREVENTION AND CONTROL (GENERAL)
SEE ALSO INJURY (HAZARDS) PREVENTION AND CONTROL, BIOHAZARDS (CONTROL)
SEE ALSO NEOPLASMS PREVENTION AND CONTROL
SEE ALSO POPULATION STUDIES HUMAN, EPIDEMIOLOGY
R01DE-03758-11 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
R01DE-04385-10 Mechanism of dental caries
** P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
** R01DE-05622-04 Rx for dental patients at risk for endocarditis (dentists)
R01DE-05989-04 Myofascial pain-dysfunction syndrome and life stress (human)
R01DE-06643-03 Role of IgA and PMNs in defense of periodontal tissues (mice, rabbits, rats)
R01DE-07197-01 Epidemiologic studies of temporomandibular disorders (human)
R23DE-07388-01 Glucan-mediated intraoral demineralization by S mutans (human)
N01DE-32444-02 Pharmacology of intraoral fluoride-releasing device

HEALTH, PHYSICAL ACTIVITY, FATIGUE
P01DE-06946-02 0012 Pathophysiology of MPD and other facial pain syndromes - Effect of fatigue on pH and p02 in rabbit masseter

HEALTH, SELF CARE
SEE ALSO PSYCHOLOGY, ATTITUDE TO HEALTH AND HEALTH PROBLEMS
** R01DE-06417-02 Factors influencing long-term oral self-care (human)
R01DE-06521-02 Behavioral response enhancement after periodontal surgery (human)
** R03DE-07290-01 Self-monitoring to improve oral health of depressed aged

HEALTH AND SCIENTIFIC ORGANIZATIONS, GOVERNMENTAL
** N01DE-52554-00 Conferrence in support of NIDR R and D programs

HEALTH CARE, SELF
SEE HEALTH, SELF CARE

HEALTH CARE COSTS-FINANCING
SEE HEALTH ECONOMICS, HEALTH CARE COSTS-FINANCING

HEALTH CARE FACILITIES, INSTITUTIONAL CARE FACILITIES
R01DE-07381-01 Prevalence of xerostomia--Relation to selected variables (human)

HEALTH CARE FACILITIES, NURSING HOMES
P50DE-07003-02 0006 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
R03DE-07290-01 Self-monitoring to improve oral health of depressed aged

HEALTH CARE FACILITIES, OUTPATIENT FACILITIES
SEE ALSO HEALTH CARE SERVICES, STUDENT HEALTH SERVICES
** N01DE-52557-00 Clinical trial of an adhesive material
** N01DE-52558-00 Clinical studies of periodontal diseases in older adult
** N01DE-52559-00 Clinical studies of periodontal diseases in older adults

HEALTH CARE FACILITIES (SYSTEMS) INFORMATION SYSTEMS
SEE BIOMEDICAL SYSTEMS AUTOMATED, HEALTH CARE FACILITIES (SYSTEMS) INFORMATION SYSTEMS

HEALTH CARE MODELS
SEE MODELS, HEALTH CARE MODELS

HEALTH (CARE) PERSONNEL ADJUNCT
SEE HEALTH SCIENCES PROFESSIONS, HEALTH (CARE) PERSONNEL ALLIED

HEALTH CARE PROFFSSIONAL PRACTICE
SEE ALSO HEALTH CARE SERVICES, PATIENT-PROFESSIONAL RELATIONS
R23DE-06522-03 Schooling and work setting--Effects on dental hygienists

HEALTH CARE QUALITY
SEE ALSO DIAGNOSTIC QUALITY-STANDARDS
** R01DE-05761-06 Improved dental instruments and materials
R23DE-06522-03 Schooling and work setting--Effects on dental hygienists
R23DE-06865-02 Child desensitization for dental visits (human)

HEALTH CARE SERVICES, CASE FINDING AND OUTREACH
** R01DE-05622-04 Rx for dental patients at risk for endocarditis (dentists)

HEALTH CARE SERVICES, HOME CARE
R01DE-06521-02 Behavioral response enhancement after periodontal surgery (human)

HEALTH CARE SERVICES, PATIENT CARE
** R03DE-07283-01 Diabetes risk assessment in the elderly dental patient

HEALTH CARE SERVICES, PATIENT-PROFESSIONAL RELATIONS
** R03DE-07042-02 Interdependence in the dentist-patient relationship
R03DE-07052-01 Factors related to coping with orthognathic surgery

HEALTH CARE SERVICES, PHYSICAL THERAPY
** P01DE-06946-02 0003 Pathophysiology of MPD and other facial pain syndromes - Physical therapy for MDP syndrome

HEALTH CARE SERVICES, PHYSICAL THERAPY, ELECTROTHERAPY
P01DE-06946-02 0003 Pathophysiology of MPD and other facial pain syndromes - Physical therapy for MDP syndrome

HEALTH CARE SERVICES, STUDENT HEALTH SERVICES
** R01DE-06895-02 Implementing preventive dental programs in schools

HEALTH CARE SERVICES FOR THE ELDERLY
R03DE-07290-01 Self-monitoring to improve oral health of depressed aged

HEALTH CARE (SERVICES)(RESOURCES) ANALYSIS AND EVALUATION
SEE ALSO HEALTH CARE QUALITY
R01DE-05563-05 The blade implant--Clinical efficacy and safety (human)
** R01DE-06895-02 Implementing preventive dental programs in schools

HEALTH CARE (SERVICES)(RESOURCES) UTILIZATION
R23DE-06208-02 Preventive services adoption in private dental practices
** R23DE-06562-02 Fluoridation effects on dental demand (human)
** R01DE-06895-02 Implementing preventive dental programs in schools

HEALTH ECONOMICS, HEALTH CARE COSTS-FINANCING
R01DE-06638-02 Complete denture service psychophysiological criteria

HEALTH EDUCATION, DENTAL
SEE EDUCATION, HEALTH EDUCATION, DENTAL

HEALTH HAZARDS, ENVIRONMENTAL
SEE ENVIRONMENTAL HEALTH, CONTAMINATION (GENERAL)

HEALTH HAZARDS PREVENTION AND CONTROL (GENERAL)
SEE INJURY (HAZARDS) PREVENTION AND CONTROL (GENERAL)

HEALTH INSURANCE, DENTAL
** R23DE-06562-02 Fluoridation effects on dental demand (human)

HEALTH PROMOTION
SEE HEALTH, DISEASE PREVENTION AND CONTROL

HEALTH RECORD SYSTEMS, PATIENT (DISEASE) REGISTRIES
** P01DE-02872-16 0018 Center for craniofacial anomalies - Computerization of clinical data

HEALTH RECORDS
R01DE-07381-01 Prevalence of xerostomia--Relation to selected variables (human)

HEALTH RECORDS, CASE HISTORY
R01DE-07062-01 Cleft lip and palate in Los Angeles Hispanics

HEALTH RESOURCES-SERVICES UTILIZATION
SEE HEALTH CARE (SERVICES)(RESOURCES) UTILIZATION

HEALTH SCIENCES PROFESSIONS, HEALTH (CARE) PERSONNEL ALLIED
SEE ALSO DENTAL PERSONNEL, DENTAL ASSISTANTS
R01DE-06294-04 Effects of physiological feedback on dental fear (human)

HEALTH SCIENCES PROFESSIONS, PHYSICIANS
R03DE-07052-01 Factors related to coping with orthognathic surgery

HEALTH SERVICES RESEARCH STUDY SECTION
** R23DE-06562-02 Fluoridation effects on dental demand (human)

HEALTH SURVEYS
SEE POPULATION SURVEYS, HEALTH SURVEYS

HEARING DISORDERS
SEE EAR DISORDERS, HEARING DISORDERS

HEARING (TISSUE) TRANSPLANTATION
SEE EAR (TISSUE) TRANSPLANTATION

HEART CONGENITAL ABNORMALITIES
SEE CONGENITAL ABNORMALITIES, HEART DEFECTS

HEART DEFECTS
SEE CONGENITAL ABNORMALITIES, HEART DEFECTS

HEART DISORDERS, ENDOCARDITIS BACTERIAL
** R01DE-05501-04 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
** R01DE-05622-04 Rx for dental patients at risk for endocarditis (dentists)
R01DE-07126-02 Molecular taxonomy of non-hemolytic streptococci

HEART DISORDERS CONGENITAL
SEE CONGENITAL ABNORMALITIES, HEART DEFECTS

HEART FUNCTION, HEART RATE
R01DE-06294-04 Effects of physiological feedback on dental fear (human)

HEART RATE
SEE HEART FUNCTION, HEART RATE

HEAT
SEE TEMPERATURE, HEAT

HEAT STABILITY-LABILITY
SEE TEMPERATURE, HEAT STABILITY-LABILITY

HEAT STIMULUS
SEE TEMPERATURE, HEAT, CALORIC STIMULATION

HEATING, AIR CONDITIONING, VENTILATION
SEE ENVIRONMENT CONTROLLED

HELPER T LYMPHOCYTES
SEE BLOOD CELLS, T LYMPHOCYTES, HELPER

HEMAGGLUTINATION
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, HEMAGGLUTINATION*

HEMAGGLUTININS (PLANT)
SEE PLANTS PROTEINS, LECTINS

HEMATOPOIESIS
SEE BLOOD AND RE SYSTEM, HEMATOPOIESIS

HEMODYNAMICS
SEE CARDIOVASCULAR FUNCTION, BLOOD CIRCULATION DYNAMICS (GENERAL)

HEMOLYSINS
SEE BLOOD TOXICOLOGY, HEMOLYSINS

ALPHA HEMOLYTIC GROUP OF STREPTOCOCCI
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS, VIRIDANS GROUP*

HEMOPHILUS
SEE BACTERIA, BRUCELLACEAE, HEMOPHILUS*

HEMOPROTEINS, HEMOGLOBINOPATHIES, SICKLE CELL ANEMIA
** R03DE-07169-01 Periodontal disease in sickle cell anemia

HEMOSTASIS
SEE BLOOD STASIS

HEPARAN SULFATE
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HEPARAN SULFATE

HEPARIN
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HEPARIN

HEPARIN MONOSULFATE
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HEPARAN SULFATE

HEPARITIN SULFATE
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HEPARAN SULFATE

HEPATOCYTE
SEE LIVER CELLS

HEREDITARY DISORDERS
SEE GENETIC DISORDERS (SEE ALSO APPROPRIATE CONGENITAL ABNORMALITIES)

HEREDITY
SEE GENETICS

HEREDITY MODELS
SEE MODELS, GENETIC MODELS

HERPES 2
SEE VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX
SEE VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX, HERPES GENITALIS

HERPES FEBRILIS
SEE VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX

(contd)

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HERPES GENITALIS
SEE VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX, HERPES GENITALIS

HERPES LABIALIS
SEE VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX

HERPES SIMPLEX
SEE VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX

HERPES SIMPLEX VIRUS
SEE VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE

HERPES SIMPLEX VIRUS 1
SEE VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE, HUMAN (ALPHA) HERPESVIRUS 1

HERPES SIMPLEX VIRUS 2
SEE VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE, HUMAN (ALPHA) HERPESVIRUS 2

HERPES SIMPLEX VIRUS GROUP
SEE VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE

HERPESVIRIDAE
SEE VIRUSES, HERPESVIRIDAE

HERPESVIRUS HOMINIS
SEE VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX
SEE VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE

HERPESVIRUS INFECTIONS
SEE VIRUS DISEASES, HERPESVIRIDAE

HERPESVIRUS VARICELLAE
SEE VIRUSES HERPESVIRIDAE, VARICELLA-ZOSTER VIRUS

HERPESVIRUSES
SEE VIRUSES, HERPESVIRIDAE

HERPETOVIRIDAE
SEE VIRUSES, HERPESVIRIDAE

HETEROGAMY (MICROORGANISMS)
SEE REPRODUCTION MICROORGANISMS, SEXUAL DIMORPHISM-HETEROGAMY

HETEROTHALLIC REPRODUCTION
SEE REPRODUCTION MICROORGANISMS, SEXUAL DIMORPHISM-HETEROGAMY

HETEROZYGOTES
SEE GENETICS, GENOTYPES, HETEROZYGOTES

HEURISTICS (ARTIFICIAL INTELLIGENCE)
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

HEXOSANS, GLUCANS
R01DE-03258-14 Cloning of streptococcus mutans genes (human, rabbits)
** R01DE-03578-14 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-03758-11 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
** R01DE-04321-11 Cell adherence of dental plaque forming streptococci (rabbits)
P50DE-07003-02 0003 Rochester caries research center - Genetics of Streptococcus mutans
R23DE-07318-01 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
** R23DE-07388-01 Glucan-mediated intraoral demineralization by S mutans (human)

HEXOSANS, GLUCANS, DEXTRAN
P50DE-02731-19 0019 Development support for dental research institute - Molecular biology laboratory
** R01DE-03246-16 Biochemical mechanisms relevant to dentistry
** R01DE-03721-10 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03739-13 Glycosyltransferases from oral bacteria
P50DE-07003-02 0003 Rochester caries research center - Genetics of Streptococcus mutans
P50DE-07010-02 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents
R01DE-07199-01 Adherence factors of oral streptococci (human)

HEXOSANS, GLUCANS, GLYCOGEN
P50DE-02668-19 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
P01DE-06946-02 0010 Pathophysiology of MPD and other facial pain syndromes - Tendon in normal and fatigued states (rat, human)

HEXOSES, FRUCTOSE
P50DE-02623-18 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
R01DE-03739-13 Glycosyltransferases from oral bacteria
P50DE-07003-02 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)

HEXOSES, GALACTOSE
P50DE-07003-02 0003 Rochester caries research center - Genetics of Streptococcus mutans

HEXOSES, GALACTOSIDES
R23DE-06945-03 Identification of microbial lectins (rabbits)

HEXOSES, GLUCOSE
SEE ALSO CARBOHYDRATE BALANCE, GLUCOSE TOLERANCE
SEE ALSO CARBOHYDRATES METABOLISM, GLUCOSE METABOLISM
SEE ALSO CARBOHYDRATES TRANSPORT, GLUCOSE TRANSPORT
SEE ALSO HEXOSES, GLYCOLYSIS
P50DE-02623-18 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
R01DE-03917-10 Fluoride and the metabolism of plaque bacteria
R01DE-03987-11 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-05666-05 Biochemistry of salivary lipids (rats, human)
R01DE-05966-04 Mechanisms of sugar transport in streptococcus mutans
P50DE-07003-02 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
R23DE-07318-01 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

HEXOSES, GLYCOLYSIS
SEE ALSO TRICARBOXYLIC ACIDS, KREBS CYCLE
R01DE-03917-10 Fluoride and the metabolism of plaque bacteria
R01DE-04387-09 Effect of fluoride on cAMP and glucose metabolism (rats)
R01DE-06127-03 Acid-base physiology of oral streptococci
R01DE-06644-03 Physiology of oral bacteria--Sugar, PH and F relations

HG
SEE METALS, HEAVY METALS, MERCURY (COMPOUNDS)

HH ANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

HIGH PERFORMANCE CHROMATOGRAPHY
SEE PHYSICAL SEPARATION, CHROMATOGRAPHY, HIGH PRESSURE LIQUID*

HIGH PRESSURE LIQUID CHROMATOGRAPHY
SEE PHYSICAL SEPARATION, CHROMATOGRAPHY, HIGH PRESSURE LIQUID*

HIGH RISK, DISEASE PRONENESS
SEE DISEASE PRONENESS-RISK

HIGH-RISK PREGNANCIES (INTRAUTERINE FAILURE TO THRIVE)
SEE PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

HIGH SCHOOL
SEE EDUCATION, SCHOOLS, SECONDARY

HISPANICS
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, HISPANICS

HISTAMINE
SEE IMIDAZOLES, HISTAMINE

HISTIDINE
SEE CYCLIC AMINO ACIDS, HISTIDINE

HISTOCHEMISTRY AND CYTOCHEMISTRY (GENERAL)*
** P50DE-02668-19 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
P50DE-02668-19 0197 Regional dental research center - Ultracytochemical and immunocytochemical studies of nerve tissue
R01DE-05232-07 Musculoskeletal adaptation to increased midfacial height (monkeys)
R01DE-05323-04 Calcium ion interactions in developing dental tissues (rats)
R01DE-05550-05 Differentiation during craniofacial embryogenesis (mice)
R01DE-05996-04 Alveolar bone metabolism during tooth eruption (dogs)
R23DE-06091-03 Primary human cells--A model for materials testing (tissue culture)
R23DE-06118-03 Acquired defects of the jaw joint (TMJ)--A model system (chickens, rabbits)
R01DE-06682-03 CNS modulation of orofacial input (rats, cats)
** R23DE-07113-02 Isolation and characterization of osteoclasts (chicks)
R03DE-07123-01 Role of cytomegalovirus in Sjogren's syndrome

HISTOCOMPATIBILITY
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY

HISTOCOMPATIBILITY ANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

HISTOGENESIS
SEE GROWTH AND DEVELOPMENT, HISTOGENESIS

HISTOLOGY (GENERAL)*
SEE ALSO TISSUE (GENERAL)
SEE ALSO TISSUE AND CELL PREPARATION
R01DE-05418-06 In vivo forces on endosseous dental implants (dogs)

HISTOPATHOLOGY (GENERAL)*
** P50DE-07009-02 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)

HISTOPLASMIN TEST
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOLOGICAL TESTS*

HLA-A3 ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

HLA-B7 ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

HLA-B27 ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

HLA-D ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

HLA-DW2 ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

HL-A LOCUS (HUMAN)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

HOLLOW DENTAL FIBERS
SEE DRUGS, DRUG DELIVERY SYSTEMS

HOME CARE
SEE HEALTH CARE SERVICES, HOME CARE

HOMEOSTASIS, HOMEOSTATIC CONTROL
SEE INFORMATION PROCESSING AND CONTROL (BIOLOGICAL), HOMEOSTASIS

HOMOLOGOUS TRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HOMOLOGOUS

HOMOTRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HOMOLOGOUS

HORMONAL REGULATION AND CONTROL (MECHANISMS)
SEE ENDOCRINOLOGY, HORMONAL REGULATION AND CONTROL (MECHANISMS)

HORMONE BINDING PROTEINS
SEE ENDOCRINOLOGY, HORMONE BINDING PROTEINS

HORMONE RECEPTORS
SEE ENDOCRINOLOGY, HORMONE RECEPTORS

HORMONES
SEE ENDOCRINOLOGY, HORMONES

HORMONES BIOSYNTHESIS
SEE ENDOCRINOLOGY, HORMONES BIOSYNTHESIS

HORMONES METABOLISM
SEE ENDOCRINOLOGY, HORMONES METABOLISM

HOSPITAL FEES
SEE HEALTH ECONOMICS, HEALTH CARE COSTS-FINANCING

HOSPITAL INFORMATION SYSTEMS
SEE BIOMEDICAL SYSTEMS AUTOMATED, HEALTH CARE FACILITIES (SYSTEMS) INFORMATION SYSTEMS

HOSPITALS, OPERATING ROOMS
R03DE-07157-01 Studies on nitrous oxide teratogenesis (rats)

HOSPITALS PERSONNEL
** R03DE-07157-01 Studies on nitrous oxide teratogenesis (rats)

HOST-MICROORGANISM
SEE ENVIRONMENT, ECOLOGY ORGANISMS, HOST-ORGANISM

HOST-ORGANISM
SEE ENVIRONMENT, ECOLOGY ORGANISMS, HOST-ORGANISM

HOST-RESTRICTION ENDONUCLEASES
SEE NUCLEASES, ENDONUCLEASES (GENERAL)

HOST-VIRUS
SEE VIRUS DISEASE CHARACTERISTICS, HOST-VIRUS

HUMAN AND HUMAN RELATED POPULATION STUDIES
SEE POPULATION STUDIES HUMAN

HUMAN EMBRYOLOGY AND DEVELOPMENT STUDY SECTION
SEE EMBRYOLOGY (HUMAN) AND DEVELOPMENT STUDY SECTION

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.
M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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HUMAN (ALPHA) HERPESVIRUS 1
SEE VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE, HUMAN (ALPHA) HERPESVIRUS 1

HUMAN (ALPHA) HERPESVIRUS 2
SEE VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE, HUMAN (ALPHA) HERPESVIRUS 2

HUMAN (BETA) HERPESVIRUS 5
SEE VIRUSES, HERPESVIRIDAE, BETAHERPESVIRINAE

HUMAN (GAMMA) HERPESVIRUS 4
SEE VIRUSES, HERPESVIRIDAE, HUMAN (GAMMA) HERPESVIRUS 4

HUMORAL ANTIBODIES (GENERAL)
SEE IMMUNOLOGY, ANTIBODIES

HUMORAL IMMUNITY
SEE IMMUNITY, HUMORAL IMMUNITY

HYALINE SUBSTANCE
SEE BODY FLUIDS, HYALINE SUBSTANCE

HYALOPLASM
SEE CELL COMPONENTS, CYTOPLASM

HYALURONIC ACID
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HYALURONIC ACID

HYALURONIDASE
SEE CARBOHYDRASES, HYALURONIDASE

HYALURONOGLUCOSIDASE
SEE CARBOHYDRASES, HYALURONIDASE

HYBRID NUCLEIC ACIDS
SEE NUCLEIC ACIDS, SYNTHETIC NUCLEIC ACIDS, HYBRID NUCLEIC ACIDS

HYBRIDOMAS
SEE CELL HYBRIDS, HYBRIDOMAS

HYBRIDS
SEE GENETICS, GENOTYPES, HETEROZYGOTES

HYDRATION-DEHYDRATION
SEE CHEMICAL REACTIONS, HYDRATION-DEHYDRATION

HYDRATION REACTIONS
SEE CHEMICAL REACTIONS, HYDRATION-DEHYDRATION

HYDROCORTISONE
SEE ADRENAL CORTEX HORMONES, HYDROCORTISONE

HYDROGEN
R03DE-07299-01 Ultramicro analysis of plaque samples from single sites

HYDROGEN ELECTRODES
SEE ELECTRODES, HYDROGEN*

HYDROGEN-ION CONCENTRATION
SEE ACIDS-BASES, HYDROGEN-ION CONCENTRATION

HYDROGEN PEROXIDE
SEE PEROXIDES, HYDROGEN PEROXIDE

HYDROLASES
SEE ALSO CARBOHYDRASES
SEE ALSO PHOSPHATASES
P50DE-02623-18 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
R01DE-03995-11 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
R01DE-07257-02 IgA protease and dental caries
R23DE-07710-01 New targets for anti-herpes simplex virus chemotherapy (rabbits)

HYDROLYSIS
SEE CHEMICAL REACTIONS, SOLVOLYSIS, HYDROLYSIS

HYDROPHOBIC BONDS
SEE CHEMICAL BONDS, HYDROPHOBIC

HYDROPS
SEE BODY FLUID BALANCE, EDEMA

4'-HYDROXYACETANILIDE
SEE PHENYLAMIDES, ACETAMINOPHEN

P-HYDROXYACETANILIDE
SEE PHENYLAMIDES, ACETAMINOPHEN

HYDROXYAPATITE
SEE CALCIUM PHOSPHATES, HYDROXYAPATITE

2-HYDROXYBENZOIC ACID
SEE PHENYLCARBOXYLATES, SALICYLATES

25-HYDROXYCHOLECALCIFEROL
SEE VITAMINS, VITAMIN D, 25-HYDROXYCHOLECALCIFEROL

6-HYDROXYDOPAMINE
SEE PHENYLALKYLAMINES, CATECHOLAMINES, L-HYDROXYDOPAMINE

HYDROXY FATTY ACIDS
SEE FATTY ACIDS, HYDROXY FATTY ACIDS

HYDROXYL GROUPS
R01DE-01912-22 Tooth enamel apatite at the atomic level (human)
P50DE-02670-19 0003 Institute of dental research - Macromolecules of mineralized tissues
R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

N-4-HYDROXYPHENYL RETINAMIDE
SEE VITAMINS, VITAMIN A ANALOGS

HYDROXYPROLINE
SEE CYCLIC AMINO ACIDS, PROLINE, HYDROXYPROLINE

3-HYDROXYPROLINE
SEE CYCLIC AMINO ACIDS, PROLINE, 3-HYDROXYPROLINE

HYDROXYPROPIONIC ACID
SEE FATTY ACIDS, LACTATES

HYDROXYPYRIDINES
SEE PYRIDINOLS

5-HYDROXYTRYPTAMINE
SEE BENZOPYRROLES, SEROTONIN

HYPERFERREMIA
SEE IRON METABOLISM

HYPERGLYCINEMIA
SEE METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA

HYPERKERATOSIS, SKIN
SEE SKIN DISORDERS, SKIN KERATOSIS

HYPERPARATHYROIDISM
SEE PARATHYROID GLANDS DISORDERS, HYPERPARATHYROIDISM

HYPERPLASTIC OSTEOARTHRITIS
SEE SKELETAL DISORDERS, ARTHRITIS, HYPERTROPHIC OSTEOARTHROPATHY

HYPERPYREXIA
SEE TEMPERATURE (BODY), FEVER

HYPERSENSITIVITY, TOXIC REACTIONS AND MECHANISMS IN HYPERSENSITIVITY
** R13DE-07172-01 Biocompatibility, toxicity, hypersensitivity in dentistry

HYPERTHERMIA
SEE TEMPERATURE (BODY), FEVER

HYPERTROPHIC (PULMONARY) OSTEOARTHROPATHY
SEE SKELETAL DISORDERS, ARTHRITIS, HYPERTROPHIC OSTEOARTHROPATHY

HYPERVITAMINOSIS
SEE NUTRITIONAL ABNORMALITIES, HYPERVITAMINOSIS

HYPNOSIS
SEE PSYCHOLOGY, SUGGESTION, HYPNOSIS

HYPNOTICS AND SEDATIVES
SEE PSYCHOPHARMACOLOGICAL AGENTS, HYPNOTICS AND SEDATIVES

HYPOCALCEMIA
SEE CALCIUM (MINERAL) IMBALANCES, HYPOCALCEMIA

HYPOMAGNESEMIA
SEE METAL DISORDERS AND IMBALANCES, MAGNESIUM DEFICIENCY

HYPOVITAMINOSIS C
SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS C

HYPOVITAMINOSIS D
SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS D

HYPOXIA
SEE RESPIRATORY GAS LEVELS, HYPOXIA

HYPOXIA, RESPIRATORY
SEE RESPIRATORY GAS LEVELS, HYPOXIA, RESPIRATORY

I
SEE HALOGENS, IODINE (COMPOUNDS) SEE ALSO SPECIFICS

I REGION GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES, IMMUNE RESPONSE GENES

IA ANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

IDENTIFICATION OF VIRUSES
SEE MICROBIAL IDENTIFICATION AND CLASSIFICATION, VIRAL TYPING AND IDENTIFICATION

IG GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

IGA SECRETORY
SEE IMMUNOLOGY, SECRETORY (ANTIBODY) (FACTOR) SYSTEM

IGE
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN E

IGM
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN M

IGD
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN D

ILIUM
SEE SKELETAL SYSTEM, PELVIC BONES, ILIUM

IMAGE AND WAVESHAPE PROCESSING ANALYSIS AND DISPLAY
SEE OPTICS, IMAGE PROCESSING ANALYSIS AND DISPLAY*

IMAGE ENHANCEMENT
SEE OPTICS, IMAGE ENHANCEMENT*

IMAGERY
SEE SENSORY-PERCEPTUAL PROCESSES, IMAGERY

IMIDATES
** R43DE-07261-01 Dimethylsuberimidate as a pulpotomy agent (rats)

IMIDAZOLEDIONES, HYDANTOINS, DIPHENYLHYDANTOIN
P50DE-02668-19 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
R01DE-04622-09 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-06216-03 Gene-environment interactions in cleft lip mice (monkeys)
** R01DE-06541-03 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)
** R01DE-06671-03 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)
** R03DE-07297-01 Mechanism of action of phenytoin (human, rats)

IMIDAZOLES, HISTAMINE
R01DE-05605-05 The humoral regulation of pulp circulation (rats, dogs)

IMIDAZOLES, METRONIDAZOLE
R01DE-05334-05 Periodontal therapy by controlled local drug delivery (human)
** R01DE-06030-04 Metronidazole therapy in periodontal disease (human)

IMINES, SCHIFF BASES
P50DE-02668-19 0125 Regional dental research center - Significance of collagen crosslinks in tissue

8,9C-IMINOETHANOPHENANTHRO(4,5BCD)FURANS
SEE ALKALOIDS, MORPHINES

IMMOBILIZATION (JOINT FIXATION, SURGICAL)
SEE SKELETAL DISORDERS, ORTHOPEDICS, ARTHRODESIS

IMMUNE COMPLEXES
SEE IMMUNOLOGY, ANTIGEN-ANTIBODY REACTIONS, IMMUNE COMPLEXES

IMMUNE DISORDERS
SEE IMMUNOPATHOLOGY (GENERAL)

IMMUNE RESPONSE GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES, IMMUNE RESPONSE GENES

IMMUNITY (AND NATURAL RESISTANCE) (GENERAL)
SEE ALSO IMMUNOLOGY, ANTIBODY FORMATION
SEE ALSO IMMUNOLOGY, ANTIGEN-ANTIBODY REACTIONS
** P50DE-04898-09 0002 Periodontal disease research center - Host response in periodontal disease (human)

IMMUNITY, BACTERICIDAL DEFENSES (GENERAL)
SEE ALSO IMMUNOLOGY, ACUTE PHASE PROTEINS
SEE ALSO IMMUNOLOGY, ANTIBODIES, OPSONINS
SEE ALSO IMMUNOLOGY, ANTIBODIES BACTERIAL
** P50DE-02670-19 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology
** R01DE-04217-11 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
** R01DE-04235-09 Peroxidase in saliva and prevention of oral disease (human, S mutants)
** P50DE-04898-09 0002 Periodontal disease research center - Host response in periodontal disease (human)
R01DE-06436-04 Periodontosis--Characterization of the neutrophil defect (human)
** R01DE-06514-04 Oral diseases and diabetes in the Gila River Indian Community
** R01DE-06643-03 Role of IgA and PMNs in defense of periodontal tissues (mice, rabbits, rats)
** R23DE-06757-02 Myeloperoxidase selective killing of oral bacteria (rabbits)
P50DE-07117-01 0003 Periodontal disease research center - Two monitored patient groups--Immunology
P50DE-07117-01 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
** P50DE-07118-01 0004 Periodontal diseases research center - PMN functional studies (children)
** R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

IMMUNITY, CELLULAR IMMUNITY (GENERAL)
SEE ALSO BLOOD CELL DEPLETION THERAPY, T LYMPHOCYTE DEPLETION

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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SEE ALSO BLOOD CELLS, LYMPHOCYTES, KILLER CELLS
SEE ALSO BLOOD CELLS, T LYMPHOCYTES
SEE ALSO IMMUNITY, CYTOKINES, LYMPHOKINES
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY

** P50DE-02623-18 0035 Center for oral health research - Cellular aspects of the muring IgA response
** P50DE-02670-19 0018 Institute of dental research - Immune response to Streptococcus mutans
** P50DE-02670-19 0037 Institute of dental research - IgA responses to S mutans--Induction and regulation
** R01DE-03738-13 Humoral and cellular mediators of inflammation (human, mammals)
** R01DE-04217-11 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
P50DE-05139-08 0002 Clinical research center for periodontal disease - Immunological investigations (human)
** R01DE-05626-05 Role of complement in periodontal disease
R01DE-06014-04 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
R01DE-06551-02 Stress, host factors, and acute necrotizing gingivitis (human)
** R01DE-06880-02 Host defense mechanism to oral bacteria (mice, rabbits, human)
** R01DE-06900-01 Immunology of oral herpes simplex viral infections (human)
R01DE-07008-03 Herpes virus antibodies in patients with oral cancer
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

IMMUNITY, CELLULAR, CELL-MEDIATED IMMUNE RESPONSES

** R01DE-06900-01 Immunology of oral herpes simplex viral infections (human)
** R01DE-06989-01 Neutrophil function in periodontal disease (human)
** R01DE-07688-01 Human T cell responses to herpes simplex virus antigens (human, mice)

IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

SEE ALSO IMMUNITY, CYTOKINES, LYMPHOKINES, LYMPHOCYTE TRANSFORMING FACTORS
P50DE-02600-19 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
R01DE-03420-13 Immune phenomena in experimental periodontal disease (rats)
R01DE-03995-11 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
P50DE-04898-09 0002 Periodontal disease research center - Host response in periodontal disease (human)
** R01DE-05990-02 Periodontitis, leukocyte function and diabetic status (human)
** R01DE-06645-03 Genetic regulation of B cell replication and function (mice)
R01DE-06900-01 Immunology of oral herpes simplex viral infections (human)
** P50DE-07118-01 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
R01DE-07686-01 Regulation of antibody response to bacterial antigens (bacteria, mice)
** R01DE-07688-01 Human T cell responses to herpes simplex virus antigens (human, mice)

IMMUNITY, CROSS IMMUNITY

SEE ALSO MICROBIAL IDENTIFICATION AND CLASSIFICATION, SEROTYPING
R01DE-05696-05 Streptococcus mutans interaction with animal tissue (human, rabbits)
** R01DE-06051-04 Membranes of the dental pathogen Streptococcus mutans (rabbits)

IMMUNITY, CYTOKINES, LYMPHOKINES

P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)
R01DE-05626-05 Role of complement in periodontal disease
** R01DE-06624-03 OAF synthesis in periodontal disease (human)
R01DE-07378-01 Human osteoclast-activating factor (mice, rats)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

IMMUNITY, CYTOKINES, LYMPHOKINES, CHEMOTACTIC FACTORS

R01DE-06551-02 Stress, host factors, and acute necrotizing gingivitis (human)
R01DE-06989-01 Neutrophil function in periodontal disease (human)

IMMUNITY, CYTOKINES, LYMPHOKINES, INTERFERON

R01DE-06900-01 Immunology of oral herpes simplex viral infections (human)

IMMUNITY, CYTOKINES, LYMPHOKINES, INTERLEUKIN 2

R01DE-06900-01 Immunology of oral herpes simplex viral infections (human)

IMMUNITY, CYTOKINES, LYMPHOKINES, LYMPHOCYTE TRANSFORMING FACTORS

SEE ALSO IMMUNITY, CYTOKINES, LYMPHOKINES, INTERLEUKIN 2
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

IMMUNITY, CYTOKINES, LYMPHOKINES, LYMPHOTOXIN

P50DE-07118-01 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
P50DE-07118-01 0004 Periodontal diseases research center - PMN functional studies (children)
P50DE-07118-01 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)

IMMUNITY, CYTOKINES, LYMPHOKINES, MIGRATION INHIBITORY FACTOR

R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

IMMUNITY, CYTOKINES, LYMPHOKINES, OSTEOCLAST ACTIVATING FACTOR

R01DE-04724-07 Cellular events in bone remodeling (rats, mice, chickens)
P50DE-04881-09 0004 Clinical research in periodontal disease - Bone destruction in periodontal disease (human)
** R01DE-06624-03 OAF synthesis in periodontal disease (human)
** R01DE-07378-01 Human osteoclast-activating factor (mice, rats)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

IMMUNITY, CYTOKINES, MONOKINES, INTERLEUKIN 1

R01DE-06900-01 Immunology of oral herpes simplex viral infections (human)

IMMUNITY, HUMORAL IMMUNITY

SEE ALSO BLOOD CELLS, B LYMPHOCYTES
SEE ALSO GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN(S)
SEE ALSO IMMUNOLOGY, COMPLEMENT
** P50DE-02670-19 0018 Institute of dental research - Immune response to Streptococcus mutans
** R01DE-03738-13 Humoral and cellular mediators of inflammation (human, mammals)
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
P50DE-05139-08 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05626-05 Role of complement in periodontal disease
R01DE-06085-03 Interaction of oral spirochetes with periodontal tissues (human, rats)
R01DE-06669-03 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
R01DE-06880-02 Host defense mechanism to oral bacteria (mice, rabbits, human)
R01DE-06989-01 Neutrophil function in periodontal disease (human)
P50DE-07117-01 0003 Periodontal disease research center - Two monitored patient groups--Immunology
P50DE-07117-01 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
** P50DE-07118-01 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
** P50DE-07118-01 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

IMMUNITY, IMMUNOREGULATION

SEE ALSO IMMUNITY, IMMUNOSUPPRESSION
SEE ALSO IMMUNOGENETICS (GENERAL)
SEE ALSO IMMUNOLOGY, TOXIC REACTIONS AND MECHANISMS IN IMMUNOLOGY
R01DE-01554-24 Host factors in caries resistance (human, bacteria)
** P50DE-02600-19 0023 Support for oral biology research center - Regulation of antibody response (mice)
P50DE-02623-18 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
** P50DE-02670-19 0037 Institute of dental research - IgA responses to S mutans--Induction and regulation
** P50DE-02731-19 0035 Development support for dental research institute - Immunology laboratory
R01DE-03420-13 Immune phenomena in experimental periodontal disease (rats)
R01DE-03738-13 Humoral and cellular mediators of inflammation (human, mammals)
R01DE-04217-11 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
P50DE-04881-09 0003 Clinical research in periodontal disease - Host immunologic response to oral microorganisms
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
P50DE-05139-08 0002 Clinical research center for periodontal disease - Immunological investigations (human)
P50DE-05139-08 0003 Clinical research center for periodontal disease - Human genetics section
** R01DE-06900-01 Immunology of oral herpes simplex viral infections (human)
R01DE-07008-03 Herpes virus antibodies in patients with oral cancer
** R01DE-07686-01 Regulation of antibody response to bacterial antigens (bacteria, mice)

IMMUNITY, IMMUNOSUPPRESSION

SEE ALSO BLOOD CELLS, T LYMPHOCYTES, SUPPRESSOR
** R01DE-06014-04 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
** R23DE-06066-03 Orally induced suppression in periodontal disease (rabbits, rats)
R03DE-06916-01 Oral herpes simplex in immunocompromised patients

IMMUNITY, IMMUNOSUPPRESSION, ALLOANTISERA

P50DE-02600-19 0035 Support for oral biology research center - Serotyping of microbes for diagnosis of periodontitis (rabbits)
P01DE-02848-15 0007 Biology of connective tissue, bones, and teeth - Extracellular matrix and epithelial gene expression (animals)
R01DE-05501-04 Platelet-Streptococcal interactions in endocarditis (human, rabbits)

IMMUNITY, IMMUNOSUPPRESSION, RADIATION IMMUNOSUPPRESSION

R01DE-06105-03 Using fluoride-chlorhexidine to prevent radiation caries (human)

IMMUNITY, IMMUNOSUPPRESSIVE AGENTS

** R01DE-06634-02 Cyclosporine in craniofacial composite tissue allografts (human, mammals)
P50DE-07118-01 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)

IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION

SEE ALSO IMMUNOLOGICAL PREPARATIONS (GENERAL) (INCLUDING CERTIFICATION AND STANDARDIZATION)
SEE ALSO VACCINATION
** R01DE-06669-03 Antigen delivery system design for host defense analysis (rodent, human, rabbit)

IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION, ACTIVE

SEE ALSO VACCINATION
** R01DE-03758-11 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
R01DE-05180-07 Regulation of surface synthesis in Streptococcus mutans
R01DE-05696-05 Streptococcus mutans interaction with animal tissue (human, rabbits)
** R23DE-07318-01 Functional role of IgA antibodies to Streptococcus mutans (rabbits)

IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION, PASSIVE

R01DE-05696-05 Streptococcus mutans interaction with animal tissue (human, rabbits)

IMMUNITY, IMMUNOTHERAPY, IMMUNOCONJUGATES

R43DE-07528-01 Immuno-diagnostic probe for periodontitis

IMMUNITY, ISOIMMUNITY

SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY

IMMUNIZATION

SEE IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION

IMMUNIZATION, ACTIVE

SEE IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION, ACTIVE

IMMUNIZATION PASSIVE

SEE IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION, PASSIVE

IMMUNOBIOLOGY STUDY SECTION

** R01DE-06645-03 Genetic regulation of B cell replication and function (mice)
** R01DE-06740-02 Human antibody responsiveness and dental caries

IMMUNOCHEMISTRY

P50DE-02668-19 0197 Regional dental research center - Ultracytochemical and immunocytochemical studies of nerve tissue
R01DE-03487-14 Inhibition of human cariogenic streptococci
R01DE-04724-07 Cellular events in bone remodeling (rats, mice, chickens)
R01DE-04971-07 Salivary mucins and dental diseases (human)
R01DE-05210-06 Acid phosphatases in developing bones and teeth (rabbits, rats)
R01DE-05501-04 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
R01DE-06051-04 Membranes of the dental pathogen Streptococcus mutans (rabbits)

(contd)

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**Oriented significantly to above subject

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See Appendix for investigator's name and Grant Number

BEST COPY AVAILABLE

R01DE-06395-03 Molecular basis of the ecology of oral streptococci
R01DE-06555-03 Cell surface interactions of oral plaque bacteria (rabbits)
R01DE-06682-03 CNS modulation of orofacial input (rats, cats)
R01DE-06746-02 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
** P50DE-07003-02 0002 Rochester caries research center - Immunochemical studies of actinomyces viscosus polysaccharides (rats)
P50DE-07003-02 0004 Rochester caries research center - Salivary pellicle and dental caries (human)

IMMUNOCONJUGATES
SEE IMMUNITY, IMMUNOTHERAPY, IMMUNOCONJUGATES

IMMUNODIAGNOSIS (GENERAL)
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOLOGICAL TESTS*

IMMUNODIAGNOSIS OF NEOPLASMS
SEE NEOPLASMS DIAGNOSIS, IMMUNODIAGNOSIS OF NEOPLASMS

IMMUNOFLUORESCENCE
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOFLUORESCENCE*

IMMUNOGENETICS (GENERAL)
SEE ALSO IMMUNOLOGICAL PREPARATIONS, MONOCLONAL ANTIBODIES
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY
** P50DE-02600-19 0023 Support for oral biology research center - Regulation of antibody response (mice)
P50DE-02600-19 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
** R01DE-06645-03 Genetic regulation of B cell replication and function (mice)
R01DE-06962-02 Surface protein antigens of cariogenic streptococci
R01DE-07688-01 Human T cell responses to herpes simplex virus antigens (human, mice)

IMMUNOGENETICS, HISTOCOMPATIBILITY GENES, IMMUNE RESPONSE GENES
R01DE-06740-02 Human antibody responsiveness and dental caries

IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL
** P50DE-02600-19 0023 Support for oral biology research center - Regulation of antibody response (mice)

IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS), ANTIGENS OF DIABETES
R01DE-04622-09 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-07062-01 Cleft lip and palate in Los Angeles Hispanics
R01DE-07688-01 Human T cell responses to herpes simplex virus antigens (human, mice)

IMMUNOGLOBULIN A
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN A

IMMUNOGLOBULIN A, SECRETORY
SEE IMMUNOLOGY, SECRETORY (ANTIBODY) (FACTOR) SYSTEM

IMMUNOGLOBULIN BIOSYNTHESIS
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN BIOSYNTHESIS

IMMUNOGLOBULIN D
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN D

IMMUNOGLOBULIN E
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN E

IMMUNOGLOBULIN G
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN G

IMMUNOGLOBULIN GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

IMMUNOGLOBULIN GENES AND CONTROL
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

IMMUNOGLOBULIN M
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN M

IMMUNOGLOBULIN RECEPTORS
SEE IMMUNOLOGY, ANTIBODIES, ANTIBODY RECEPTORS

IMMUNOGLOBULIN STRUCTURE
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN STRUCTURE

IMMUNOGLOBULINS
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN(S)

IMMUNOLOGIC DEFICIENCY DISORDERS
SEE IMMUNOPATHOLOGY, IMMUNOLOGIC DEFICIENCY DISORDERS

IMMUNOLOGIC DISORDERS DIAGNOSIS
SEE IMMUNOPATHOLOGY, DIAGNOSIS*

IMMUNOLOGIC REACTIVITY CONTROL
SEE IMMUNITY, IMMUNOREGULATION

IMMUNOLOGICAL PREPARATIONS (GENERAL)(INCLUDING CERTIFICATION AND STANDARDIZATION)
SEE ALSO COMMUNICABLE DISEASE CONTROL AGENTS
SEE ALSO IMMUNITY, IMMUNOSUPPRESSION, ALLOANTISERA
SEE ALSO IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION
** R01DE-06669-03 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
P50DE-07117-01 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)

IMMUNOLOGICAL PREPARATIONS, MONOCLONAL ANTIBODIES
SEE ALSO IMMUNOLOGY, ANTIBODY SPECIFICITY
R01DE-03180-15 Microbiologic studies of the human oral streptococci (also rabbits)
R01DE-03487-14 Inhibition of human cariogenic streptococci
** R01DE-03658-21 Genetic polymorphisms of saliva (human, mice)
R01DE-04321-11 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-05501-04 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
** R01DE-06231-03 Monoclonal antibody analysis of plaque microorganisms (mice)
R01DE-06436-04 Periodontosis--Characterization of the neutrophil defect (human)
R03DE-07165-01 Calcitonin receptor (mice)
R01DE-07378-01 Human osteoclast-activating factor (mice, rats)
** R43DE-07528-01 Immuno-diagnostic probe for periodontitis
R01DE-07688-01 Human T cell responses to herpes simplex virus antigens (human, mice)

IMMUNOLOGICAL SCIENCES STUDY SECTION
** R01DE-04733-08 Secretory immune response and S mutans glucosyltransferase (mammals)

IMMUNOLOGICAL TESTS
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOLOGICAL TESTS*

IMMUNOLOGICAL TESTS AND IMMUNOASSAY, AGGLUTINATION REACTION (AGGLUTININ)*
SEE ALSO CELL ADHESION
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, HEMAGGLUTINATION*
P50DE-02670-19 0001 Institute of dental research - X-ray crystallography program
R01DE-06082-03 Genetic analysis of streptococcus mutans cariogenicity

IMMUNOLOGICAL TESTS AND IMMUNOASSAY, ENZYME-LINKED IMMUNOSORBENT ASSAY (ELISA)
R43DE-07528-01 Immuno-diagnostic probe for periodontitis

IMMUNOLOGICAL TESTS AND IMMUNOASSAY, HEMAGGLUTINATION*
R01DE-05640-05 Cytotoxicity of periodontopathic bacteria (mice, rabbits)

IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOFLUORESCENCE*
P50DE-04898-09 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)

IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOLOGICAL TESTS*
SEE ALSO NEOPLASMS DIAGNOSIS, IMMUNODIAGNOSIS OF NEOPLASMS
P50DE-05139-08 0002 Clinical research center for periodontal disease - Immunological investigations (human)
P50DE-05139-08 0003 Clinical research center for periodontal disease - Human genetics section
R01DE-06231-03 Monoclonal antibody analysis of plaque microorganisms (mice)
** R43DE-07528-01 Immuno-diagnostic probe for periodontitis

IMMUNOLOGICAL TESTS AND IMMUNOASSAY, RADIOIMMUNOASSAY*
R01DE-07378-01 Human osteoclast-activating factor (mice, rats)

IMMUNOLOGY, ACUTE PHASE PROTEINS
R01DE-07376-01 Biochemical profile for gingival crevicular fluid

IMMUNOLOGY, ANTIBODIES
SEE ALSO GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN(S)
SEE ALSO GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN STRUCTURE
SEE ALSO IMMUNITY, IMMUNOTHERAPY, IMMUNOCONJUGATES
SEE ALSO IMMUNOLOGICAL PREPARATIONS, MONOCLONAL ANTIBODIES
P50DE-02670-19 0019 Institute of dental research - Chemistry/biology of the genetically-distinct collagens
P01DE-02847-17 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth

IMMUNOLOGY, ANTIBODIES, AGGLUTININS
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, AGGLUTINATION REACTION (AGGLUTININ)*
** P50DE-02623-18 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
R01DE-05251-06 Salivary gland secretory mechanisms (rats)

IMMUNOLOGY, ANTIBODIES, ANTIBODY RECEPTORS
R01DE-06643-03 Role of IgA and PMNs in defense of periodontal tissues (mice, rabbits, rats)
** R03DE-07142-01 Leukocyte IgA Fc receptors (human)

IMMUNOLOGY, ANTIBODIES, OPSONINS
SEE ALSO IMMUNOLOGY, COMPLEMENT
P50DE-05139-08 0003 Clinical research center for periodontal disease - Human genetics section

IMMUNOLOGY, ANTIBODIES BACTERIAL
** P50DE-04898-09 0002 Periodontal disease research center - Host response in periodontal disease (human)
R01DE-06085-03 Interaction of oral spirochetes with periodontal tissues (human, rats)
R01DE-06514-04 Oral diseases and diabetes in the Gila River Indian Community
R01DE-06673-03 Genetic and biochemical bases for S mutans virulence (rabbits)
R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
** P50DE-07009-02 0004 Specialized caries research centers - Immunological aspects of root caries (human)
P50DE-07118-01 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
R23DE-07233-01 Multivariate analysis of saliva antimicrobial proteins (humans)
** R43DE-07528-01 Immuno-diagnostic probe for periodontitis
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)
R01DE-07686-01 Regulation of antibody response to bacterial antigens (bacteria, mice)

IMMUNOLOGY, ANTIBODIES MICROBIAL
SEE ALSO IMMUNOLOGY, ANTIBODIES BACTERIAL
SEE ALSO IMMUNOLOGY, ANTIBODIES VIRAL
** R01DE-06153-04 Antibody to glucosyltransferase in adults and children
** R23DE-07233-01 Multivariate analysis of saliva antimicrobial proteins (humans)

IMMUNOLOGY, ANTIBODIES VIRAL
** R01DE-07008-03 Herpes virus antibodies in patients with oral cancer

IMMUNOLOGY, ANTIBODY FORMATION
SEE ALSO GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN BIOSYNTHESIS
SEE ALSO IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION
** R01DE-03658-21 Genetic polymorphisms of saliva (human, mice)
P50DE-07118-01 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
** R01DE-07686-01 Regulation of antibody response to bacterial antigens (bacteria, mice)

IMMUNOLOGY, ANTIBODY SPECIFICITY
** R01DE-06740-02 Human antibody responsiveness and dental caries
P50DE-07009-02 0004 Specialized caries research centers - Immunological aspects of root caries (human)

IMMUNOLOGY, ANTIGEN-ANTIBODY REACTIONS
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, AGGLUTINATION REACTION (AGGLUTININ)*
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, HEMAGGLUTINATION*
SEE ALSO IMMUNOLOGY, ANTIBODIES, ANTIBODY RECEPTORS
R01DE-03318-14 The molecular nature of gingival and mucosal collagen (rats)
R01DE-04217-11 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R23DE-06066-03 Orally induced suppression in periodontal disease (rabbits, rats)
R01DE-06153-04 Antibody to glucosyltransferase in adults and children

IMMUNOLOGY, ANTIGEN-ANTIBODY REACTIONS, IMMUNE COMPLEXES
R01DE-06860-02 Complement monocyte interactions in periodontal disease
R01DE-06989-01 Neutrophil function in periodontal disease (human)
R03DE-07142-01 Leukocyte IgA Fc receptors (human)

IMMUNOLOGY, ANTIGENS, SURFACE ANTIGENS (GENERAL)
SEE ALSO IMMUNOLOGY, ANTIGENS MICROBIAL

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects. See Appendix for investigator's name and Grant Number.

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SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

P50DE-02600-19 0035 Support for oral biology research center - Serotyping of microbes for diagnosis of periodontitis (rabbits)

P50DE-02670-19 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology

** R01DE-03180-15 Microbiologic studies of the human oral streptococci (also rabbits)

R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)

R01DE-04217-11 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)

R01DE-04529-09 Replacement therapy of dental caries (rats)

** R01DE-05180-07 Regulation of surface synthesis in Streptococcus mutans

R01DE-05696-05 Streptococcus mutans interaction with animal tissue (human, rabbits)

R01DE-05991-05 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)

R01DE-06051-04 Membranes of the dental pathogen Streptococcus mutans (rabbits)

R01DE-06395-03 Molecular basis of the ecology of oral streptococci

R01DE-06436-04 Periodontosis--Characterization of the neutrophil defect (human)

R01DE-06746-02 Protein antigens of Strep mutans in caries immunity (mice, rabbits)

R01DE-06880-02 Host defense mechanism to oral bacteria (mice, rabbits, human)

** R01DE-06962-02 Surface protein antigens of cariogenic streptococci

R01DE-07686-01 Regulation of antibody response to bacterial antigens (bacteria, mice)

N01DE-42551-01 Develop antigens and adjuvants for carries immunity

IMMUNOLOGY, ANTIGENS BACTERIAL

SEE ALSO POLYSACCHARIDES, BACTERIAL (GENERAL)

** R01DE-03180-15 Microbiologic studies of the human oral streptococci (also rabbits)

R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)

R01DE-04217-11 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)

R01DE-04645-08 A genetic-biochemical analysis of spirochete motility (mice)

** R01DE-04733-08 Secretory immune response and S mutans glucosyltransferase (mammals)

P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)

P50DE-04898-09 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)

P50DE-05139-08 0002 Clinical research center for periodontal disease - Immunological investigations (human)

R01DE-05696-05 Streptococcus mutans interaction with animal tissue (human, rabbits)

R01DE-05991-05 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)

R01DE-06051-04 Membranes of the dental pathogen Streptococcus mutans (rabbits)

R01DE-06514-04 Oral diseases and diabetes in the Gila River Indian Community

R01DE-06551-02 Stress, host factors, and acute necrotizing gingivitis (human)

** R01DE-06669-03 Antigen delivery system design for host defense analysis (rodent, human, rabbit)

R01DE-06673-03 Genetic and biochemical bases for S mutans virulence (rabbits)

** R01DE-06746-02 Protein antigens of Strep mutans in caries immunity (mice, rabbits)

** R01DE-06962-02 Surface protein antigens of cariogenic streptococci

** P50DE-07118-01 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection

R23DE-07318-01 Functional role of IgA antibodies to Streptococcus mutans (rabbits)

R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

** R01DE-07686-01 Regulation of antibody response to bacterial antigens (bacteria, mice)

N01DE-42551-01 Develop antigens and adjuvants for carries immunity

IMMUNOLOGY, ANTIGENS BACTERIAL, BACTERIAL TOXINS (GENERAL)

SEE ALSO BLOOD TOXICOLOGY, BACTEREMIA-SEPTICEMIA
SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL, ENDOTOXINS
SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL, EXOTOXINS

** R01DE-06039-03 Properties of lipoteichoic acids from cariogenic bacteria

P50DE-07118-01 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)

P50DE-07118-01 0004 Periodontal diseases research center - PMN functional studies (children)

P50DE-07118-01 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)

IMMUNOLOGY, ANTIGENS BACTERIAL, ENDOTOXINS

P50DE-02670-19 0018 Institute of dental research - Immune response to Streptococcus mutans

R01DE-03738-13 Humoral and cellular mediators of inflammation (human, mammals)

R01DE-05817-05 Cellular mechanisms of collagen breakdown (human, animals)

R23DE-07208-01 LPS-monocyte interactions in periodontal disease (guinea pigs)

IMMUNOLOGY, ANTIGENS BACTERIAL, EXOTOXINS

P50DE-02731-19 0019 Development support for dental research institute - Molecular biology laboratory

IMMUNOLOGY, ANTIGENS MICROBIAL

SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL
SEE ALSO IMMUNOLOGY, ANTIGENS VIRAL
SEE ALSO MICROBIAL IDENTIFICATION AND CLASSIFICATION, SEROTYPING
SEE ALSO POLYSACCHARIDES, BACTERIAL (GENERAL)

P50DE-04898-09 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)

R01DE-06153-04 Antibody to glucosyltransferase in adults and children

IMMUNOLOGY, ANTIGENS VIRAL

P50DE-02623-18 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus

R01DE-06900-01 Immunology of oral herpes simplex viral infections (human)

** R01DE-07007-02 Multiple factors in the etiology of oral cancer (mice)

R03DE-07123-01 Role of cytomegalovirus in Sjogren's syndrome

** R01DE-07688-01 Human T cell responses to herpes simplex virus antigens (human, mice)

IMMUNOLOGY, COMPLEMENT

R01DE-03301-15 Connective tissues of the periodontium (human, dog)

R01DE-03995-11 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)

P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)

** P50DE-04898-09 0002 Periodontal disease research center - Host response in periodontal disease (human)

P50DE-04898-09 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)

R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)

** R01DE-05626-05 Role of complement in periodontal disease

** R01DE-06860-02 Complement monocyte interactions in periodontal disease

R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

IMMUNOLOGY, COMPLEMENT, CHEMOTACTIC FACTORS

P50DE-02600-19 0030 Support for oral biology research center - Leukocyte function--Its role in periodontal disease (human)

R01DE-03738-13 Humoral and cellular mediators of inflammation (human, mammals)

R01DE-03995-11 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)

** P50DE-05139-08 0003 Clinical research center for periodontal disease - Human genetics section

IMMUNOLOGY, COMPLEMENT RECEPTORS

R01DE-05626-05 Role of complement in periodontal disease

IMMUNOLOGY, HAPTENS

P50DE-07003-02 0002 Rochester caries research center - Immunochemical studies of actinomyces viscosus polysaccharides (rats)

IMMUNOLOGY, HAPTENS (CARDIOLIPIN)

SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, CARDIOLIPINS

IMMUNOLOGY, MICROBIAL

SEE ALSO IMMUNITY, BACTERICIDAL DEFENSES (GENERAL)
SEE ALSO IMMUNOLOGY, ANTIGENS MICROBIAL

R01DE-01554-24 Host factors in caries resistance (human, bacteria)

P50DE-02600-19 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)

P50DE-02600-19 0023 Support for oral biology research center - Regulation of antibody response (mice)

P50DE-02600-19 0035 Support for oral biology research center - Serotyping of microbes for diagnosis of periodontitis (rabbits)

P50DE-02600-19 0037 Support for oral biology research center - Peridontal microflora (human)

P50DE-02623-18 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus

P50DE-02623-18 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria

P50DE-02670-19 0037 Institute of dental research - IgA responses to S mutans--Induction and regulation

P50DE-02731-19 0034 Development support for dental research institute - Microbial biochemistry laboratory

R01DE-03758-11 Virulence and competition against streptococcus mutans (hamsters, mice, rats)

** P50DE-04881-09 0003 Clinical research in periodontal disease - Host immunologic response to oral microorganisms

** P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)

P50DE-04898-09 0002 Periodontal disease research center - Host response in periodontal disease (human)

** P50DE-05139-08 0002 Clinical research center for periodontal disease - Immunological investigations (human)

** R01DE-05501-04 Platelet-Streptococcal interactions in endocarditis (human, rabbits)

R01DE-05626-05 Role of complement in periodontal disease

R01DE-05991-05 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)

R01DE-06014-04 Bacteria and lymphocyte suppression in periodontitis (mice, rats)

** R01DE-06551-02 Stress, host factors, and acute necrotizing gingivitis (human)

** R23DE-06640-03 Neutrophil defects induced by oral bacterial products

R01DE-06669-03 Antigen delivery system design for host defense analysis (rodent, human, rabbit)

R01DE-06673-03 Genetic and biochemical bases for S mutans virulence (rabbits)

** P50DE-07010-02 0005 Specialized caries research center - Immunological investigation of root surface caries

** P50DE-07117-01 0003 Periodontal disease research center - Two monitored patient groups--Immunology

** P50DE-07117-01 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)

R01DE-07218-01 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)

** R03DE-07278-01 Laminin and immune intervention in periodontal disease

R43DE-07528-01 Immuno-diagnostic probe for periodontitis

R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

IMMUNOLOGY, SECRETORY (ANTIBODY) (FACTOR) SYSTEM

** P50DE-02670-19 0018 Institute of dental research - Immune response to Streptococcus mutans

P50DE-02670-19 0037 Institute of dental research - IgA responses to S mutans--Induction and regulation

** R01DE-03420-13 Immune phenomena in experimental periodontal disease (rats)

R01DE-04217-11 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)

** R01DE-04733-08 Secretory immune response and S mutans glucosyltransferase (mammals)

R01DE-04960-07 Mechanisms of salivary gland development (mice, rabbits, rats)

R01DE-06740-02 Human antibody responsiveness and dental caries

R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

R23DE-07233-01 Multivariate analysis of saliva antimicrobial proteins (humans)

R01DE-07257-02 IgA protease and dental caries

** R03DE-07314-01 Genetics of streptococcus sanguis (rats)

IMMUNOLOGY, TOXIC REACTIONS AND MECHANISMS IN IMMUNOLOGY

SEE ALSO HYPERSENSITIVITY, TOXIC REACTIONS AND MECHANISMS IN HYPERSENSITIVITY

** R01DE-05696-05 Streptococcus mutans interaction with animal tissue (human, rabbits)

IMMUNOPATHOLOGY (GENERAL)

SEE ALSO NEOPLASMS IMMUNOLOGY

P50DE-02600-19 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)

** P50DE-02670-19 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)

** R03DE-06916-01 Oral herpes simplex in immunocompromised patients

IMMUNOPATHOLOGY, AUTOANTIBODIES, ANTINUCLEAR FACTORS

R01DE-06645-03 Genetic regulation of B cell replication and function (mice)

IMMUNOPATHOLOGY, DIAGNOSIS*

P50DE-07117-01 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)

** P50DE-07118-01 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)

IMMUNOPATHOLOGY, IMMUNOLOGIC DEFICIENCY DISORDERS

SEE ALSO BLOOD AND RE DISORDERS, THYMUS DYSFUNCTION OR ABSENCE, DIGEORGE SYNDROME
SEE ALSO METABOLIC DISORDERS INBORN, CHEDIAK-HIGASHI SYNDROME

R01DE-03738-13 Humoral and cellular mediators of inflammation (human, mammals)

IMMUNOREGULATION

SEE IMMUNITY, IMMUNOREGULATION

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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IMMUNORESPONSE (IR) GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES, IMMUNE RESPONSE GENES

IMMUNOSUPPRESSION
SEE IMMUNITY, IMMUNOSUPPRESSION

IMMUNOSUPPRESSION, RADIATION INDUCED
SEE IMMUNITY, IMMUNOSUPPRESSION, RADIATION IMMUNOSUPPRESSION

IMMUNOSUPPRESSIVE AGENTS
SEE IMMUNITY, IMMUNOSUPPRESSIVE AGENTS

IMMUNOTOXINS (IMMUNOCONJUGATES) FOR IMMUNOTHERAPY@
SEE IMMUNITY, IMMUNOTHERAPY, IMMUNOCONJUGATES

IMPEDANCE, SOUND
SEE PHYSICAL PROPERTIES, SOUND IMPEDANCE

IMPLANT COMPATIBILITY
SEE TISSUE COMPATIBILITY-TRANSPLANT, IMPLANT COMPATIBILITY

IMPLANT COMPATIBILITY OF BIOMATERIALS
SEE BIOMATERIALS IMPLANTS AND COMPATIBILITY

IMPLANT COMPATIBILITY OF PROSTHESIS
SEE PROSTHESIS IMPLANTS AND COMPATIBILITY

IMPLANTS
SEE TISSUE COMPATIBILITY-TRANSPLANT, IMPLANT

IMPLANTS OF BIOMATERIALS
SEE BIOMATERIALS IMPLANTS AND COMPATIBILITY

IMPLANTS OF PROSTHESIS
SEE PROSTHESIS IMPLANTS AND COMPATIBILITY

IMPRESSION MATERIALS
SEE DENTAL MATERIALS, IMPRESSION MATERIALS

IN
SEE METALS, HEAVY METALS, INDIUM (COMPOUNDS)

INACTIVATION POTENTIAL
SEE ELECTROPOTENTIALS

INBREEDING
SEE GENETICS, POPULATION GENETICS, INBREEDING

INCISION ENDONUCLEASE
SEE NUCLEASES, REPAIR NUCLEASES

INDEPENDENCY, EMOTIONAL
SEE PSYCHOLOGY, EMOTIONAL DEPENDENCY-INDEPENDENCY

INDEPENDENCY, SOCIAL SELF-RELIANCE
SEE SOCIAL SELF-RELIANCE, DEPENDENCY-INDEPENDENCY

INDERAL
SEE NAPHTHYLAMINES, PROPRANOLOL

INDIANS, AMERICAN
SEE SOCIAL GROUPS, ETHNIC, AMERICAN INDIANS

INDICATORS AND REAGENTS
SEE ALSO RADIOTRACERS*
** R03DE-06446-02 Bifunctional reagents as alternatives to formocresol (rats, dogs, rabbits)

INDIUM (COMPOUNDS)
SEE METALS, HEAVY METALS, INDIUM (COMPOUNDS)

INDIVIDUALITY
SEE PSYCHOLOGY, PERSONALITY

INDOCHINESE AMERICANS
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, ASIAN AMERICANS

INDOCIN
SEE BENZOPYRROLE CARBOXYLIC ACIDS, INDOMETHACIN

INDOMETHACIN
SEE BENZOPYRROLE CARBOXYLIC ACIDS, INDOMETHACIN

INDONESIAN AMERICANS
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, ASIAN AMERICANS

INDUSTRIAL HAZARD
SEE OCCUPATIONAL HEALTH, OCCUPATIONAL HAZARDS

INDUSTRIAL PSYCHOLOGY
SEE PSYCHOLOGY OCCUPATIONAL

INFANT ANIMALS
SEE AGE (ANIMAL), INFANTS

INFANT DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, INSULIN-DEPENDENT DIABETES

INFANT FOODS
SEE FOOD, INFANT FOODS

INFANT HUMAN
SEE CHILDREN, INFANT (BIRTH TO 1 YR)

INFANT MENTAL DEVELOPMENT
SEE CHILD MENTAL DEVELOPMENT

INFANT NEWBORN
SEE CHILDREN, INFANT NEWBORN (BIRTH TO 4-6 WKS)

INFANT NEWBORN (ANIMAL)
SEE AGE (ANIMAL), INFANTS NEWBORN

INFANTS OF HIGHER VERTEBRATES
SEE AGE (ANIMAL), INFANTS

INFECTION MECHANISM
SEE VIRUS DISEASE CHARACTERISTICS, INFECTION MECHANISMS (GENERAL)

INFECTIONS AND CANCER, COMPLICATIONS
SEE NEOPLASMS, CANCER COMPLICATIONS OF, INFECTIONS

INFECTIOUS BOVINE RHINOTRACHEITIS VIRUS
SEE VIRUSES, HERPESVIRIDAE

INFECTIOUS DISEASES CONTROL
SEE COMMUNICABLE DISEASE CONTROL

INFLAMMATION
SEE DISEASES, PATHOLOGIC PROCESSES, INFLAMMATION

INFLAMMATORY BOWEL DISEASE
SEE GASTROINTESTINAL DISORDERS, INFLAMMATORY BOWEL DISEASE

INFORMATION AND COMMUNICATION, VOICE SYNTHESIZER
R03DE-06799-02 Speech prostheses in orofacial cancer patients

INFORMATION BANKS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

INFORMATION CENTERS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

INFORMATION-COMMUNICATION BEHAVIOR
SEE ALSO SENSORY DISORDERS AND LANGUAGE STUDY SECTION
R01DE-04494-08 Control of stress during dental procedures (human)

INFORMATION-COMMUNICATION BEHAVIOR, FACIAL EXPRESSION
** R01DE-06219-03 Facial behavior related to acute dental pain (human)

INFORMATION-COMMUNICATION BEHAVIOR, SPEECH
** P50DE-02668-19 0214 Regional dental research center - Motor control during speech
** R01DE-07105-01 Speech aerodynamics--Regulation/control in cleft palate (human)
R23DE-07351-01 Morphological basis of tongue movement and control (mammals)

INFORMATION-COMMUNICATION BEHAVIOR, VERBAL BEHAVIOR
** R01DE-07105-01 Speech aerodynamics--Regulation/control in cleft palate (human)

INFORMATION-COMMUNICATION DISORDERS, SPEECH DISORDERS
P01DE-01697-23 0036 A research program in craniofacial problems - Evaluation of velopharyngeal sphincteric function (human)
** P01DE-01697-23 0037 A research program in craniofacial problems - Effects of oronasal fistulae on speech (human)
** P01DE-05837-05 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
** P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)

INFORMATION-COMMUNICATION DISORDERS, SPEECH DISORDERS DIAGNOSIS
P50DE-02668-19 0214 Regional dental research center - Motor control during speech
** P01DE-05837-05 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
R03DE-06799-02 Speech prostheses in orofacial cancer patients
** R03DE-07019-02 Ultrasonic detection of oral markers (human)

INFORMATION-COMMUNICATION DISORDERS, SPEECH THERAPY
P01DE-05837-05 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
** R03DE-06799-02 Speech prostheses in orofacial cancer patients

INFORMATION DISSEMINATION
SEE ALSO HEALTH RECORDS
SEE ALSO INFORMATION SYSTEMS (INCL BANKS AND CENTERS)
SEE ALSO PUBLICATIONS
** R01DE-05622-04 Rx for dental patients at risk for endocarditis (dentists)
R23DE-06208-02 Preventive services adoption in private dental practices
N01DE-52554-00 Conferrence in support of NIDR R and D programs

INFORMATION DISSEMINATION, MEETINGS CONFERENCES SYMPOSIA
** R13DE-07614-01 Consensus conference--Methods for cariogenic potential of food
** N01DE-52554-00 Conferrence in support of NIDR R and D programs

INFORMATION DISSEMINATION, MEETINGS CONFERENCES SYMPOSIA, INTERNATIONAL
** R13DE-07080-01 Gordon research conference on calcium phosphates, 1985
** R13DE-07230-01 Third Gordon research conference on periodontal diseases
** R13DE-07273-01 Topical fluorides--Optimizing safety and efficacy

INFORMATION DISSEMINATION, MEETINGS CONFERENCES SYMPOSIA, WORKSHOP
** R13DE-07172-01 Biocompatibility, toxicity, hypersensitivity in dentistry

INFORMATION DISSEMINATION, RADIO
** P50DE-07010-02 0003 Specialized caries research center - Radiotelemetric evaluation of interproximal plaque pH (human)

INFORMATION DISSEMINATION, VIDEOTAPES (GENERAL)
R01DE-05305-05 Behavioral approaches to pain responses in pedodontics (children)
N01DE-12433-05 Phase contrast evaluation of subgingival plaque

INFORMATION EXCHANGE
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

INFORMATION GATHERING (DATA COLLECTION)
SEE ALSO HEALTH RECORDS, CASE HISTORY
SEE ALSO POPULATION SURVEYS
R01DE-02320-20 Clinical behavior of dental restorative materials (human)

INFORMATION GATHERING (DATA COLLECTION), INTERVIEWS
R01DE-06521-02 Behavioral response enhancement after periodontal surgery (human)
R01DE-07197-01 Epidemiologic studies of temporomandibular disorders (human)

INFORMATION GATHERING (DATA COLLECTION), QUESTIONNAIRES
R23DE-06208-02 Preventive services adoption in private dental practices
R01DE-06521-02 Behavioral response enhancement after periodontal surgery (human)
R01DE-07186-01 Validation of an index to score dental aesthetics (human)
N01DE-22438-08 Relationship of dietary intake to caries incidence (human)

INFORMATION GATHERING METHODS EVALUATION-STANDARDS
** R01DE-04068-11 Statistical methods in dental research
** R01DE-05622-04 Rx for dental patients at risk for endocarditis (dentists)

INFORMATION PROCESSING AND CONTROL (BIOLOGICAL)
SEE ALSO ENDOCRINOLOGY, HORMONAL REGULATION AND CONTROL (MECHANISMS)
SEE ALSO GENETICS, BIOCHEMICAL GENETICS, GENETIC CODING
SEE ALSO GENETICS, GENETIC REGULATION
SEE ALSO INFORMATION PROCESSING AND CONTROL (NEURAL)
SEE ALSO SENSORY FEEDBACK
** R01DE-06943-02 Central projections of MES V afferents (cats)

INFORMATION PROCESSING AND CONTROL (BIOLOGICAL), HOMEOSTASIS
SEE ALSO BODY FLUID BALANCE, ACID-BASE
SEE ALSO BODY FLUID BALANCE, IONIC
SEE ALSO CELL GROWTH REGULATION
P50DE-02600-19 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
P50DE-02668-19 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
P50DE-02668-19 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
R01DE-05395-06 Stem cells in oral mucosa (mice)
R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)
R01DE-06065-05 The role of lymphoid cells in alveolar bone resorption (rats)
R01DE-06076-03 Pathobiology of oral mucosa (rabbits)

INFORMATION PROCESSING AND CONTROL (NEURAL)
SEE ALSO NEUROPHYSIOLOGY (GENERAL)
SEE ALSO PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY
SEE ALSO SENSORY FEEDBACK
R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
** R01DE-04166-16 Oral pharyngeal reflexes (cats, human)
R01DE-04786-08 Dental and orofacial pain--Brain stem mechanisms (cats)
R01DE-05404-07 Dental pain--Studies on trigeminal nucleus caudalis (cats)
R01DE-05558-05 Sensory alterations of craniofacial form (monkeys)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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** R01DE-06193-03 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)
** R01DE-06717-01 Jaw movements and masseter activity during chewing (human)
R01DE-06762-02 Development of an advanced artificial oral environment
** R03DE-06825-02 Central nervous system control of Von Ebner's glands (rats)
** R01DE-06904-02 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
R23DE-07351-01 Morphological basis of tongue movement and control (mammals)

INFORMATION RETRIEVAL
SEE INFORMATION SYSTEMS, INFORMATION RETRIEVAL

INFORMATION SYSTEMS (INCL BANKS AND CENTERS)
SEE ALSO BIOMEDICAL REGISTRIES AND REFERRAL CENTERS
SEE ALSO BIOMEDICAL SYSTEMS AUTOMATED, HEALTH CARE FACILITIES (SYSTEMS) INFORMATION SYSTEMS
SEE ALSO HEALTH RECORDS
SEE ALSO TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES
P01DE-02872-16 0018 Center for craniofacial anomalies - Computerization of clinical data
R01DE-06069-03 A genetic study of cleft lip and cleft palate in Hawaii
R01DE-07347-01 Magnetic resonance characteristics of TMJ tissues (humans)
** N01DE-42500-05 Microbiological information system

INFORMATION SYSTEMS, INFORMATION RETRIEVAL
P01DE-02872-16 0018 Center for craniofacial anomalies - Computerization of clinical data
** P01DE-02872-16 0064 Center for craniofacial anomalies - Audiology/otologic studies
P01DE-05837-05 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
R01DE-07690-01 Growth and development of the human head
N01DE-42500-05 Microbiological information system

INFUSION PUMPS IMPLANTED FOR DRUG DELIVERY
SEE DRUGS, DRUG DELIVERY SYSTEMS

INHALATION
SEE SENSORY DEPRESSION, ANESTHESIA (GENERAL), INHALATION

INHALATION ANESTHESIA
SEE SENSORY DEPRESSION, ANESTHESIA (GENERAL), INHALATION

INHALATION-EXHALATION
SEE RESPIRATORY FUNCTION, RESPIRATION

INHIBITORS
SEE CALCIFICATION INHIBITORS
SEE DENTAL CARIES INHIBITORS
SEE ENZYME INHIBITORS
SEE GROWTH INHIBITORS

INJURIES, FRACTURES
R01DE-04327-10 Mechanical and electrical effects on osteogenesis (rats)
R01DE-06954-01 Structural studies of matrix proteins in teeth and bone

INJURIES, SCARS
SEE ALSO SKIN DISORDERS, KELOID
P50DE-02670-19 0038 Institute of dental research Immunology-pathology of the different collagen types (rats)
P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)

INJURIES, SHOCK ENDOTOXIC
SEE BLOOD TOXICOLOGY, BACTEREMIA-SEPTICEMIA

INJURIES, SURGICAL WOUNDS
P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)

INJURIES, TRAUMA
P50DE-02731-19 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
R01DE-05905-04 Neural organization of complex muscles (swine)
R01DE-06409-03 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)
R23DE-07005-01 Synthesis of a craniofacial wound healing factor (human)
R23DE-07559-01 Synthesis of a craniofacial wound healing factor (human)

INJURIES, WOUND HEALING
SEE ALSO GROWTH AND DEVELOPMENT, REGENERATION
P50DE-02668-19 0190 Regional dental research center - Thrombin and prothrombin
P50DE-02731-19 0033 Development support for dental research institute - Epidemiology laboratory (human)
** P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
R23DE-06849-03 Identification of intraoral mucosal wound hyaluronidase (rabbits)
R01DE-06977-02 Oral mucosa in vitro (mice, rats, guinea pigs)
** R23DE-07006-01 Synthesis of a craniofacial wound healing factor (human)
** R23DE-07268-02 Polymorphonuclear leukocyte function in wound healing (rabbits)
R03DE-07278-01 Laminin and immune intervention in periodontal disease
** R23DE-07559-01 Synthesis of a craniofacial wound healing factor (human)

INJURIES, WOUNDS
SEE ALSO INJURIES, SURGICAL WOUNDS
** R23DE-06849-03 Identification of intraoral mucosal wound hyaluronidase (rabbits)

INJURY (HAZARDS) PREVENTION AND CONTROL (GENERAL)
SEE ALSO FOOD SCIENCES AND TECHNOLOGY, FOOD SANITATION
R01DE-06519-01 Dental amalgams contribution to blood mercury levels

INJURY (HAZARDS) PREVENTION AND CONTROL, BIOHAZARDS (CONTROL)
SEE ALSO FOOD SCIENCES AND TECHNOLOGY, FOOD SANITATION
R01DE-07011-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
R01DE-07696-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

INNERVATION (GENERAL)
SEE NERVOUS SYSTEM, NERVES, INNERVATION (GENERAL)

INOTROPIC AGENTS NEGATIVE
SEE MUSCLE RELAXANTS

INSPIRATION-EXPIRATION
SEE RESPIRATORY FUNCTION, RESPIRATION

INSTITUTIONAL CARE FACILITIES
SEE HEALTH CARE FACILITIES, INSTITUTIONAL CARE FACILITIES

INSTRUMENTATION CLINICALLY ORIENTED
SEE BIOMEDICAL ENGINEERING, INSTRUMENTATION CLINICALLY ORIENTED

INSTRUMENTS AND EQUIPMENT (HARDWARE)
SEE BIOMEDICAL ENGINEERING
SEE COMPUTER (GENERAL) INCL COMPUTER DATA PROCESSING (GENERAL)
SEE DENTAL INSTRUMENTS*
SEE INFORMATION AND COMMUNICATION, VOICE SYNTHESIZER

INSULIN
SEE PANCREAS HORMONES, INSULIN

INSULIN-DEPENDENT DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, INSULIN-DEPENDENT DIABETES

INSURANCE
SEE HEALTH INSURANCE, DENTAL

INTEGRATIVE CONTROL (NEURAL)
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

INTELLIGENCE, ARTIFICIAL
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

INTERACTIONS
SEE DRUGS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
SEE NUTRIENTS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
SEE PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL)

INTERCELLULAR BRIDGES, CONNECTIONS
SEE CELL-CELL INTERACTION, INTERCELLULAR CONNECTIONS-JUNCTIONS

INTERCELLULAR JUNCTIONS
SEE CELL-CELL INTERACTION, INTERCELLULAR CONNECTIONS-JUNCTIONS

INTERFACIAL PHENOMENA WITH BIOMATERIALS
SEE BIOMATERIALS, INTERFACIAL PHENOMENA

INTERFERON
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, INTERFERON

INTERLEUKIN 1
SEE IMMUNITY, CYTOKINES, MONOKINES, INTERLEUKIN 1

INTERLEUKIN 2
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, INTERLEUKIN 2

INTERNAL CONTROL (AUTOGENIC CONDITIONING)
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

INTERNATIONAL MEETINGS
SEE INFORMATION DISSEMINATION, MEETINGS CONFERENCES SYMPOSIA, INTERNATIONAL

INTERPERSONAL BEHAVIOR, RELATIONS
SEE PSYCHOLOGY SOCIAL, INTERPERSONAL RELATIONS

INTERPERSONAL RELATIONS
SEE PSYCHOLOGY SOCIAL, INTERPERSONAL RELATIONS

INTERVIEWS
SEE INFORMATION GATHERING (DATA COLLECTION), INTERVIEWS

INTESTINAL EPITHELIUM
SEE GASTROINTESTINAL SYSTEM, EPITHELIUM

INTESTINAL FLORA (BACTERIA)
SEE BACTERIA, ENTERIC (GENERAL)*

INTRACELLULAR FLUID
SEE CELL FLUIDS

INTRACELLULAR MEMBRANES
SEE CELL COMPONENTS, INTRACELLULAR MEMBRANES

INTRACELLULAR SKELETON
SEE CELL COMPONENTS, CYTOSKELETON

INTRINSIC SURFACE ACTIVITY OF MEMBRANES
SEE MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)

INVERTASE
SEE CARBOHYDRASES, BETA-FRUCTOFURANOSIDASE

INVERTEBRATE EMBRYOLOGY
SEE EMBRYOLOGY, NON-MAMMALIAN EMBRYOLOGY

INVERTEBRATE HORMONES
SEE ENDOCRINOLOGY INVERTEBRATE, INVERTEBRATE HORMONES

INVERTIN
SEE CARBOHYDRASES, BETA-FRUCTOFURANOSIDASE

INVESTMENT, INVESTMENT MATERIALS, DENTAL
SEE DENTAL MATERIALS, INVESTMENT

IODIDES
SEE HALOGENS, IODINE (COMPOUNDS) SEE ALSO SPECIFICS

IODINE (COMPOUNDS)
SEE HALOGENS, IODINE (COMPOUNDS) SEE ALSO SPECIFICS

ION BALANCE (BODY FLUIDS)
SEE BODY FLUID BALANCE, IONIC

ION CARRIERS
SEE BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT, ION CARRIERS (IONOPHORES)

ION EXCHANGE AND TRANSPORT
SEE BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT

ION PUMPS
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS

ION PUMP INHIBITORS
SEE BIOLOGICAL TRANSPORT, TRANSPORT EFFECTORS

IONIC BONDS
SEE CHEMICAL BONDS, IONIC

IONIC CONDUCTANCE CHANNELS
SEE BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT

IONIC STRENGTH
SEE ALSO ACIDS-BASES, HYDROGEN-ION CONCENTRATION
R01DE-07218-01 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)

IONIZING RADIATION
SEE RADIATION, IONIZING RADIATION

BETA-IONONE DERIVATIVES
SEE VITAMINS, VITAMIN A (GENERAL)

IONOPHORES
SEE BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT, ION CARRIERS (IONOPHORES)

IONS
R01DE-06569-04 Quantitation of enamel demineralization mechanisms
** R03DE-07426-01 Calcium, fluoride and hydrogen ions in caries (human)

IONS, ANION
R01DE-04385-10 Mechanism of dental caries

IONS, CATION
R01DE-04008-11 Cellular and developmental control of calcification (chick embryo)
R01DE-04385-10 Mechanism of dental caries
R01DE-04486-08 Kinetics and mechanisms of action of fluorides (human)
R03DE-06937-02 Structure-activity of polycarboxylate absorption by hydroxyapatite
R03DE-07311-01 Isolation of antibacterial peptides from human PMNs (rabbits)

IONS, ELECTROLYTES
SEE ALSO BODY FLUID BALANCE, IONIC
R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
P50DE-02600-19 0034 Support for oral biology research center - Salivary and oral mucosal changes after chemotherapeutic drugs (human)

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*Excludes routine methodology OR covers only general projects which preclude zooming at the specific level.
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects. See Appendix for investigator's name and Grant Number.

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R01DE-03601-12 Effect of corrosion on dental amalgams
R01DE-04897-05 Functional development of salivary glands (rats)
R01DE-06896-01 Biological molecules in the corrosion of dental alloys

IONS, POLYIONS, POLYANIONS
R01DE-05251-06 Salivary gland secretory mechanisms (rats)

IR GENES (IR-1A, IR-1B)
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES, IMMUNE RESPONSE GENES

IRON
SEE ALSO METALLOPROTEINS, LACTOFERRIN
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY IRON
** R01DE-05129-08 Improvement of preventive and restorative materials (monkeys)
R01DE-05628-06 Interaction between fluoride and other dietary minerals (rats)

IRON, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY IRON

IRON METABOLISM
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY IRON
** R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

IRON OXIDES
N01DE-52557-00 Clinical trial of an adhesive material

IRRIGATION
SEE THERAPY, LAVAGE

IR-THY-1 GENE
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES, IMMUNE RESPONSE GENES

ISOALLOANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

ISOALLOIMMUNITY
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY

ISOANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

ISOENZYMES
SEE ENZYMES, ISOENZYMES

ISOIMMUNITY
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY

ISOPROTERENOL
SEE PHENYLALKYLAMINES, CATECHOLAMINES, ISOPROTERENOL

ISUPREL
SEE PHENYLALKYLAMINES, CATECHOLAMINES, ISOPROTERENOL

J CHAIN LOCUS
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

J GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

JAW
SEE ORAL-PHARYNGEAL, JAW

JAW MOVEMENT
SEE ORAL-PHARYNGEAL, JAW MOVEMENT

JOB PERFORMANCE
SEE OCCUPATIONS, JOB PERFORMANCE

JOB SATISFACTION
SEE OCCUPATIONS, JOB SATISFACTION

JOINT DISORDERS
SEE SKELETAL DISORDERS, JOINT DISORDERS

JOINT FIXATION, SURGICAL
SEE SKELETAL DISORDERS, ORTHOPEDICS, ARTHRODESIS

JOINT SOUND MEASUREMENTS
SEE SKELETAL DISORDERS DIAGNOSIS, SKELETAL SOUND MEASUREMENTS*

JOINT STRESS
SEE SKELETAL STRESS

JUVENILE (HUMAN)
SEE CHILDREN, ADOLESCENCE (12 TO 21 YRS)

JUVENILE DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, INSULIN-DEPENDENT DIABETES

K
SEE POTASSIUM

K-CELLS
SEE BLOOD CELLS, LYMPHOCYTES, KILLER CELLS

KALLIDIN-9
SEE PEPTIDES, VASOACTIVE PEPTIDES, KALLIDIN-9

KANAMYCIN
SEE ANTIBIOTICS, AMINOGLYCOSIDE ANTIBIOTICS, KANAMYCIN

KAPPA CHAIN (LIGHT CHAIN)
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

KELOID
SEE SKIN DISORDERS, KELOID

KERATIN
SEE FIBROUS PROTEINS, KERATIN

KERATINIZATION (GENERAL)
SEE GROWTH AND DEVELOPMENT, KERATINIZATION

KERATOHYALIN
SEE FIBROUS PROTEINS, KERATOHYALIN

KERATOSIS, SKIN
SEE SKIN DISORDERS, SKIN KERATOSIS

KERATOSIS NIGRICANS
SEE SKIN DISORDERS, ACANTHOSIS NIGRICANS

KERN GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

KETOACIDS
SEE CARBOXYLIC ACIDS, KETO ACIDS

6-KETO-PGE1
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS

KETOSIS-PRONE DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, INSULIN-DEPENDENT DIABETES

KIDNEY DISORDERS, UREMIA
R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)

KIDNEY DISORDERS CHEMOTHERAPY
R03DE-06916-01 Oral herpes simplex in immunocompromised patients

KIDNEY FUNCTION, RENAL TUBULAR TRANSPORT
R01DE-06429-04 Influence of acid-base status on fluoride metabolism (mammals)

KIDNEY METABOLISM
R01DE-06429-04 Influence of acid-base status on fluoride metabolism (mammals)

KIDNEY NEOPLASMS
SEE NEOPLASMS OF URINARY TRACT, KIDNEY NEOPLASMS

KIDNEY TRANSPLANTATION
R03DE-06916-01 Oral herpes simplex in immunocompromised patients

KILLER CELLS
SEE BLOOD CELLS, LYMPHOCYTES, KILLER CELLS

KIMMELSTIEL-WILSON DISEASE
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETIC NEPHROPATHIES

KINASE II
SEE PROTEASES AND PEPTIDASES, DIPEPTIDYL CARBOXYPEPTIDASE

KINESTHESIS
SEE SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION

KINETICS (CHEMISTRY)
SEE CHEMICAL REACTIONS (DYNAMICS)

KININASE II
SEE PROTEASES AND PEPTIDASES, DIPEPTIDYL CARBOXYPEPTIDASE

KNEE
SEE SKELETAL SYSTEM, JOINT, KNEE

KOREAN-AMERICANS
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, ASIAN AMERICANS

KORNBERG'S DARK REPAIR ENZYME
SEE NUCLEASES, REPAIR NUCLEASES

KREBS CYCLE
SEE TRICARBOXYLIC ACIDS, KREBS CYCLE

L-CHAIN GENETICS
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

LA
SEE METALS, RARE EARTHS, LANTHANUM (COMPOUNDS)

LA III
SEE AZEPINES, BENZODIAZEPINES, DIAZEPAM

LABORATORY (BIOMEDICAL) DATA COMPUTER PROCESSING
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER PROCESSING OF LABORATORY DATA (GENERAL)

LABORATORY DIAGNOSTIC ERRORS
SEE DIAGNOSTIC QUALITY-STANDARDS

LABORATORY FACILITIES
SEE BIOMEDICAL FACILITIES

LACTATE DEHYDROGENASE
SEE OXIDOREDUCTASES, LACTATE DEHYDROGENASE

LACTATES
SEE FATTY ACIDS, LACTATES

LACTATION
SEE REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS, LACTATION

LACTOBACILLIC ACID
SEE FATTY ACIDS

LACTOBACILLUS
SEE BACTERIA, LACTOBACILLACEAE, LACTOBACILLUS*

LACTOBACILLUS CASEI
SEE BACTERIA, LACTOBACILLACEAE, LACTOBACILLUS CASEI*

LACTOFERRIN
SEE METALLOPROTEINS, LACTOFERRIN

LACTOFLAVINE
SEE VITAMINS, RIBOFLAVIN

LACTOPEROXIDASE
SEE PEROXIDASES, LACTOPEROXIDASE

LAF (MONOKINES)
SEE IMMUNITY, CYTOKINES, MONOKINES, INTERLEUKIN 1

LAMBDA CHAIN (LIGHT CHAIN)
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

LAMININ
SEE GLYCOPROTEINS, LAMININ

LANTHANUM (COMPOUNDS)
SEE METALS, RARE EARTHS, LANTHANUM (COMPOUNDS)

LARGE LYMPHOCYTE DEPENDENT IMMUNE SYSTEM
SEE IMMUNITY, HUMORAL IMMUNITY

LARYNGEAL NERVES
SEE NERVOUS SYSTEM, CRANIAL NERVES, LARYNGEAL NERVES (10)

LASER MICROPROBE EMISSION SPECTROGRAPH
SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, LASER*

LASER SPECTROMETRY
SEE CHEMISTRY, ANALYTICAL METHODS, SPECTROMETRY, LASER*

LASER THERAPY
SEE PHOTOTHERAPY, LASER THERAPY

LATENT VIRUS DISEASES
SEE VIRUS DISEASE CHARACTERISTICS, LATENT DORMANT OR SLOW

LATINOS (S. AMERICAN IMMIGRANTS)
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, HISPANICS

LAVAGE
SEE THERAPY, LAVAGE

LEAD POISONING
SEE METALS POISONING, LEAD POISONING

LEARNING DISORDERS
SEE PSYCHOLOGY ABNORMAL, COGNITION DISORDERS, LEARNING DISORDERS

LECITHINASE A
SEE PHOSPHOLIPASE, LECITHINASE A

LECTINS (NON-PLANT)
SEE PROTEINS, LECTINS (NON-PLANT)

LECTINS (PLANT)
SEE PLANTS PROTEINS, LECTINS

LEPTOSPIRA
SEE BACTERIA, SPIROCHETES, LEPTOSPIRA*

LEPTOTRICHIA
SEE BACTERIA, ACTINOMYCETALES, LEPTOTRICHIA*

LETS PROTEIN
SEE GLYCOPROTEINS, FIBRONECTIN

LEUCONOSTOC
SEE BACTERIA, STREPTOCOCCACEAE, LEUCONOSTOC*

LEUKEMIA ACUTE
SEE NEOPLASMS OF BLOOD AND RE SYSTEM, LEUKEMIA ACUTE

LEUKOCYTE ACTIVATION
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

LEUKOCYTE DISORDERS
SEE BLOOD AND RE DISORDERS, LEUKOCYTE DISORDERS

LEUKOCYTE INHIBITORY FACTOR
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, MIGRATION INHIBITORY FACTOR

LEUKOCYTE PROLIFERATION
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

LEUKOCYTE TRANSFORMATION
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

LEUKOCYTES
SEE BLOOD CELLS, LEUKOCYTES

LEUKOPLAKIA ORAL
SEE ORAL-PHARYNGEAL HYPERPLASIA, LEUKOPLAKIA ORAL

LEUKOSIS (LYMPHOMATOSIS) VIRUSES AVIAN
SEE VIRUSES, RETROVIRIDAE, LEUKOSIS-SARCOMA AVIAN, LEUKOSIS VIRUSES AVIAN

LEUKOTAXIC FACTORS
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, CHEMOTACTIC FACTORS

LEUKOTRIENES METABOLISM
SEE FATTY ACIDS METABOLISM, EICOSANOIDS METABOLISM

LEVARTERENOL
SEE PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE

LEVULOSE
SEE HEXOSES, FRUCTOSE

LEYDIG CELL TUMOR
SEE NEOPLASMS OF REPRODUCTIVE SYSTEM MALE, TESTIS NEOPLASMS

LI
SEE METALS, ALKALI METALS, LITHIUM

LIF (LYMPHOKINES)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, MIGRATION INHIBITORY FACTOR

LIFE STYLE
SEE PSYCHOLOGY, PERSONALITY, LIFE STYLE

LIGAMENTS
SEE SKELETAL SYSTEM, LIGAMENT

LIGANDS
SEE METAL COMPLEXES, LIGANDS

LIGHT
SEE PHOTOCHEMISTRY

LIGHT POLARIZATION
SEE OPTICAL POLARIZATION*

LIGHT SCATTERING
SEE OPTICS, LIGHT SCATTERING*

LIMBS
SEE SKELETAL SYSTEM, LIMB

LIMULUS LECTIN
SEE PROTEINS, LECTINS (NON-PLANT)

LINIMENTS
SEE DOSAGE FORMS

LINKAGE
SEE GENETIC MAPPING, LINKAGE

LINOLEATE:OXYGEN OXIDOREDUCTASE
SEE OXYGENASES, LIPOXYGENASE

LINOLEIC ACID
SEE FATTY ACIDS, UNSATURATED, LINOLEIC ACID

LINOLENIC ACID
SEE FATTY ACIDS, UNSATURATED, LINOLENIC ACID

LIP
SEE ORAL-PHARYNGEAL, LIPS

LIP, CLEFT
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT LIP

LIPID BIOSYNTHESIS
SEE LIPIDS METABOLISM, LIPOGENESIS

LIPID HAPTENS (CARDIOLIPIN)
SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, CARDIOLIPINS

LIPID METABOLISM
SEE LIPIDS METABOLISM

LIPID PIGMENTS
SEE TERPENES, CAROTENE

LIPIDS
SEE ALSO ENDOCRINOLOGY, HORMONES, STEROID HORMONES
SEE ALSO FATTY ACIDS
SEE ALSO GLYCOLIPIDS
SEE ALSO LIPOPROTEINS
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY LIPIDS
SEE ALSO PHOSPHOLIPIDS
SEE ALSO POLYSACCHARIDES, LIPOPOLYSACCHARIDES
SEE ALSO PROTEOLIPIDS
SEE ALSO STEROIDS
P50DE-02670-19 0001 Institute of dental research - X-ray crystallography program
** R01DE-05666-05 Biochemistry of salivary lipids (rats, human)

LIPIDS, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY LIPIDS

LIPIDS, FATS, UNSATURATED FATS
SEE ALSO FATTY ACIDS, UNSATURATED
R01DE-05978-03 Lipid nutrition, membrane fluidity and enzymes (rats)

LIPIDS, GLYCERIDES, DIGLYCERIDES
R01DE-05666-05 Biochemistry of salivary lipids (rats, human)

LIPIDS, MEMBRANE LIPIDS
SEE ALSO FATTY ACIDS
SEE ALSO PHOSPHOLIPIDS
R01DE-05932-05 The role of lipoproteins in microbial calcification
R01DE-05937-05 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
** R01DE-05978-03 Lipid nutrition, membrane fluidity and enzymes (rats)
R01DE-06748-02 Synthesis and function of polymers in oral bacteria (rats)
R01DE-06977-02 Oral mucosa in vitro (mice, rats, guinea pigs)
R01DE-07168-02 Membrane function during germination of Candida albicans (mice)

LIPIDS BIOSYNTHESIS
SEE LIPIDS METABOLISM, LIPOGENESIS

LIPIDS METABOLISM
SEE ALSO FATTY ACIDS METABOLISM
SEE ALSO FATTY ACIDS METABOLISM, EICOSANOIDS METABOLISM
SEE ALSO STEROID METABOLISM
R01DE-04141-11 Mechanism of hard tissue mineralization (human, rats)
R01DE-05764-06 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-05937-05 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)

LIPIDS METABOLISM, LIPOGENESIS
SEE ALSO FATTY ACIDS BIOSYNTHESIS
R01DE-05666-05 Biochemistry of salivary lipids (rats, human)
R01DE-07168-02 Membrane function during germination of Candida albicans (mice)

LIPOAMINO ACIDS
SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PHOSPHATIDYL SERINE

LIPOCHROMES (CAROTENE)(CAROTENOIDS)
SEE TERPENES, CAROTENE

LIPOGENESIS
SEE LIPIDS METABOLISM, LIPOGENESIS

LIPOPOLYSACCHARIDES
SEE POLYSACCHARIDES, LIPOPOLYSACCHARIDES

LIPOPROTEINS
SEE ALSO GLYCOLIPOPEPTIDES
SEE ALSO PROTEOLIPIDS
R01DE-05666-05 Biochemistry of salivary lipids (rats, human)
** R01DE-05932-05 The role of lipoproteins in microbial calcification
R01DE-06533-03 Vesicles and endochondral bone formation (chickens)

LIPOSOMES
SEE BIOLOGICAL TRANSPORT, MEMBRANE MODELS, LIPOSOMES

LIPOXIDASE
SEE OXYGENASES, LIPOXYGENASE

LIPOXYGENASE
SEE OXYGENASES, LIPOXYGENASE

LIPS
SEE ORAL-PHARYNGEAL, LIPS

LITHIUM
SEE METALS, ALKALI METALS, LITHIUM

LIVER CELLS
R01DE-04387-09 Effect of fluoride on cAMP and glucose metabolism (rats)

LIVER EPITHELIUM
SEE GASTROINTESTINAL SYSTEM, EPITHELIUM

LIVER LECTIN
SEE PROTEINS, LECTINS (NON-PLANT)

LOCAL ADAPTATION SYNDROME
SEE STRESS

LOCAL HORMONES
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

LOCOMOTION IN SINGLE CELL AND MULTICELLULAR MICROORGANISMS
SEE CELL COMPONENTS, CILIARY AND FLAGELLAR MOVEMENT
SEE CELL MOVEMENT

LONGITUDINAL STUDY
SEE POPULATION STUDIES HUMAN, LONGITUDINAL STUDY

LONGITUDINAL STUDY, ANIMAL
SEE POPULATION STUDIES ANIMAL, LONGITUDINAL STUDY

LOW BIRTH WEIGHT, HUMAN
SEE CHILDREN, INFANT PREMATURE AND LOW BIRTH WEIGHT

LOW TEMPERATURE PRESERVATION AND STORAGE
SEE TEMPERATURE, CRYOSCIENCES, LOW TEMPERATURE PRESERVATION AND STORAGE

LT (LYMPHOKINES)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, LYMPHOTOXIN

LTF (LYMPHOKINES)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, LYMPHOCYTE TRANSFORMING FACTORS

LUMINESCENCE
SEE OPTICS, LIGHT EMISSION, LUMINESCENCE*

LUNG ALVEOLUS
SEE RESPIRATORY SYSTEM, LUNG ALVEOLUS

LUNG PRESSURE
SEE RESPIRATORY FUNCTION, RESPIRATORY AIRWAY PRESSURES

LUPUS ERYTHEMATOSUS SYSTEMIC
SEE CONNECTIVE TISSUE DISORDERS, LUPUS ERYTHEMATOSUS SYSTEMIC

LUTEAL PHASE
SEE FERTILITY-INFERTILITY, SEX CYCLES, MENSTRUAL CYCLE

LY ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

LYMPHATIC TISSUE
SEE BLOOD AND RE SYSTEM, LYMPHATIC TISSUE

LYMPHOCYTE ACTIVATION
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

LYMPHOCYTE ACTIVATION FACTOR (LAF)
SEE IMMUNITY, CYTOKINES, MONOKINES, INTERLEUKIN 1

LYMPHOCYTE CHEMOTACTIC FACTOR (LCF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, CHEMOTACTIC FACTORS

LYMPHOCYTE DEPLETION THERAPY
SEE BLOOD CELL DEPLETION THERAPY, LYMPHOCYTE DEPLETION

T LYMPHOCYTE DEPLETION THERAPY
SEE BLOOD CELL DEPLETION THERAPY, T LYMPHOCYTE DEPLETION

LYMPHOCYTE PRODUCTS
SEE IMMUNITY, CYTOKINES, LYMPHOKINES

LYMPHOCYTE PROLIFERATION
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

LYMPHOCYTE RECEPTORS AND RECOGNITION
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

LYMPHOCYTE TRANSFORMATION
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

LYMPHOCYTE TRANSFORMING FACTORS
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, LYMPHOCYTE TRANSFORMING FACTORS

LYMPHOCYTES
SEE BLOOD CELLS, LYMPHOCYTES

B LYMPHOCYTES
SEE BLOOD CELLS, B LYMPHOCYTES

T LYMPHOCYTES
SEE BLOOD CELLS, T LYMPHOCYTES

LYMPHOID TISSUE
SEE BLOOD AND RE SYSTEM, LYMPHATIC TISSUE

LYMPHOKINES
SEE IMMUNITY, CYTOKINES, LYMPHOKINES

LYMPHOTOXIN
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, LYMPHOTOXIN

LYMPHOTOXIN, LYMPHOTOXIC FACTOR
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, LYMPHOTOXIN

LYSINE
SEE DIAMINO ACIDS, LYSINE

LYSOSOMES
SEE CELL COMPONENTS, LYSOSOMES

LYSOZYME
SEE CARBOHYDRASES, LYSOZYME

MACROMOLECULES
SEE MOLECULES, MACROMOLECULES

MACROPHAGE CHEMOTACTIC FACTOR (MCF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, CHEMOTACTIC FACTORS

MACROPHAGE FUSION FACTOR (MFF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES

(contd)

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MACROPHAGE MIGRATION INHIBITORY FACTOR
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, MIGRATION INHIBITORY FACTOR

MACROPHAGES
SEE BLOOD AND RE SYSTEM, MACROPHAGES

MAGNESIUM (COMPOUNDS)
SEE METALS, ALKALINE EARTH METALS, MAGNESIUM

MAGNESIUM DEFICIENCY (DEPLETION)
SEE METAL DISORDERS AND IMBALANCES, MAGNESIUM DEFICIENCY

MAGNETICS (GENERAL)
SEE ELECTRICITY-MAGNETISM, MAGNETICS (GENERAL)

MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

MALNUTRITION
SEE NUTRITIONAL ABNORMALITIES, MALNUTRITION (GENERAL)

MALNUTRITION (NONDIETARY)
SEE NUTRITIONAL ABNORMALITIES

MALOCCLUSION
SEE DENTAL DISORDERS, MALOCCLUSION

MAMMALIAN EMBRYOLOGY
SEE EMBRYOLOGY, MAMMALIAN EMBRYOLOGY

MAMMALIAN GENETICS STUDY SECTION
** R01DE-03658-21 Genetic polymorphisms of saliva (human, mice)

MAMMALS, PRIMATES*
** R01DE-04531-08 Strain in the facial bones (monkeys)
** R23DE-06554-03 Organization of cortical tooth representations (monkeys)
** R23DE-07695-01 Organization of cortical tooth representations (monkeys)

MAMMALS, RODENTS, MYOMORPHA, MICE (LABORATORY)*
P50DE-02668-19 0213 Regional dental research center - Action of androgen on submaxillary gland function

MAMMALS, RODENTS, MYOMORPHA, RATS (LABORATORY)*
** R03DE-07405-01 Model for root caries following alveolar bone loss

MAMMARY GLANDS
SEE REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS

MANDIBLE
SEE ORAL-PHARYNGEAL, JAW, MANDIBLE

MANDIBULAR CONDYLE
SEE ORAL-PHARYNGEAL, JAW, MANDIBULAR CONDYLE

MANDIBULAR NERVE
SEE NERVOUS SYSTEM, CRANIAL NERVES, MANDIBULAR NERVE (5)

MANGANESE (COMPOUNDS)
SEE METALS, HEAVY METALS, MANGANESE (COMPOUNDS)

MAPPING
SEE GENETIC MAPPING
SEE NERVOUS SYSTEM CENTRAL, SPINAL CORD MAPPING

MARFAN SYNDROME
SEE METABOLIC DISORDERS INBORN, MARFAN SYNDROME

MARIE BAMBERGER DISEASE
SEE SKELETAL DISORDERS, ARTHRITIS, HYPERTROPHIC OSTEOARTHROPATHY

MARINE BIOLOGY
SEE WATER ENVIRONMENT, MARINE BIOLOGY

MARKERS
SEE GENETIC MAPPING, GENETIC MARKERS

MASS DIAGNOSTIC SCREENING
SEE DIAGNOSTIC SERVICES, MASS SCREENING

MAST CELLS
SEE BLOOD AND RE SYSTEM, MAST CELLS

MASTICATION
SEE DENTISTRY, MASTICATION

MATERNAL AGE
SEE PREGNANCY, AGE AT PREGNANCY

MATERNAL NUTRITION
SEE NUTRITION, MATERNAL-FETAL NUTRITION

MATHEMATICAL MODELS
SEE MODELS, MATHEMATICAL

MATHEMATICS, STATISTICS (INCLUDING BIOMETRY)
SEE ALSO BODY PHYSICAL CHARACTERISTICS, CEPHALOMETRY
SEE ALSO POPULATION STUDIES HUMAN
SEE ALSO PSYCHOMETRICS
SEE ALSO STATISTICAL SERVICE AND CENTERS
P01DE-02872-16 0063 Center for craniofacial anomalies - Genetic studies (human)
** R01DE-04068-11 Statistical methods in dental research
** R01DE-06720-02 Resistance of various restorative materials
R03DE-06819-02 TMJ clicking related to orthodontic therapy
R03DE-07130-01 Epidemiology of oral disease in Hispanic Americans
** R23DE-07233-01 Multivariate analysis of saliva antimicrobial proteins (humans)

MATRIX, EXTRACELLULAR
SEE CELL COMPONENTS, EXTRACELLULAR MATRIX

MATRIX (GROUND CYTOPLASM)
SEE CELL COMPONENTS, CYTOPLASM

MATURE ANIMAL
SEE AGE (ANIMAL), MATURE (ADULT)

MATURITY-ONSET DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, NONINSULIN-DEPENDENT DIABETES

MCG GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

MECHANICAL PRESSURE
SEE PHYSICAL PROPERTIES, MECHANICAL PRESSURE

MECHANICAL STRESS
SEE PHYSICAL PROPERTIES, MECHANICAL STRESS

MECHANORECEPTORS
SEE SENSE ORGANS, MECHANORECEPTORS

MEDICAL AUDIT
SEE HEALTH CARE QUALITY

MEDICAL CARE COSTS-FINANCING
SEE HEALTH ECONOMICS, HEALTH CARE COSTS-FINANCING

MEDICAL EQUIPMENT SAFETY
SEE BIOMEDICAL ENGINEERING, MEDICAL EQUIPMENT SAFETY

MEDICAL FACILITIES UTILIZATION
SEE HEALTH CARE (SERVICES) (RESOURCES) UTILIZATION

MEDICAL PERSONNEL SUPPORTIVE
SEE HEALTH SCIENCES PROFESSIONS, HEALTH (CARE) PERSONNEL ALLIED

MEDICAL PRACTICE
SEE HEALTH CARE PROFESSIONAL PRACTICE

MEDICAL RECORDS
SEE HEALTH RECORDS

MEDICINE
SEE BEHAVIORAL MEDICINE

MEDULLA OBLONGATA
SEE BRAIN, MEDULLA OBLONGATA

MEETINGS CONFERENCES SYMPOSIA
SEE INFORMATION DISSEMINATION, MEETINGS CONFERENCES SYMPOSIA

MEGAVITAMIN THERAPY
SEE NUTRITION, DIET THERAPEUTIC, VITAMIN THERAPY (ALL ROUTES OF ADMINISTRATION)

MEMBRANE
SEE ALSO BODY CAVITIES, PERITONEUM
SEE ALSO CELL COMPONENTS, CELL MEMBRANE
SEE ALSO CELL COMPONENTS, CELL WALL
SEE ALSO CELL COMPONENTS, PROTOPLASTIC MEMBRANE
SEE ALSO LIPIDS, MEMBRANE LIPIDS
SEE ALSO MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)
SEE ALSO PROTEINS, MEMBRANE PROTEINS
SEE ALSO TISSUE, EPITHELIUM
N01DE-52555-00 Methods for the intraoral fluroide-releasing device

MEMBRANE, BASEMENT MEMBRANE
P50DE-02670-19 0019 Institute of dental research - Chemistry/biology of the genetically-distinct collagens
P50DE-02670-19 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)
P50DE-02731-19 0032 Development support for dental research institute - Experimental cytology laboratory (rats)
P01DE-02848-15 0009 Biology of connective tissue, bones, and teeth - Epithelial-mesenchymal interactions and palate morphogenesis
R01DE-04970-07 Nuclear composition and organization for odontogenesis (rats)
R01DE-05630-05 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
R01DE-05690-04 Localization of the procollagens in dental tissues (rats, mice, rabbits)
R01DE-06028-02 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R01DE-06635-03 Tissue interactions and salivary cytodifferentiation (rats, rabbits)
R01DE-06977-02 Oral mucosa in vitro (mice, rats, guinea pigs)
R03DE-07278-01 Laminin and immune intervention in periodontal disease
** R03DE-07288-01 Human basement membrane tumors (nude mice, tissue culture)
** R03DE-07424-01 Bacterial invasion of a basement membrane - like matrix in vitro

MEMBRANE, MEMBRANE FUSION
SEE ALSO CELL ADHESION
SEE ALSO CELL-CELL INTERACTION
SEE ALSO CELL DIVISION
SEE ALSO CELL INGESTION, PHAGOCYTOSIS
SEE ALSO CELL INGESTION, PINOCYTOSIS
R01DE-06991-02 Plasma membranes and secretory granules in secretion (rats, rabbits)

MEMBRANE, MEMBRANE (BIOLOGICAL) STRUCTURE
R01DE-05932-05 The role of lipoproteins in microbial calcification
R01DE-05937-05 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06991-02 Plasma membranes and secretory granules in secretion (rats, rabbits)
R01DE-07168-02 Membrane function during germination of Candida albicans (mice)

MEMBRANE, MUCOUS MEMBRANE
R01DE-01554-24 Host factors in caries resistance (human, bacteria)
P01DE-02847-17 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
** R01DE-03318-14 The molecular nature of gingival and mucosal collagen (rats)
R01DE-04660-10 Keratohyalin in keratinization--Oral mucosa and skin (human)

MEMBRANE (BIOLOGICAL) STRUCTURE
SEE MEMBRANE, MEMBRANE (BIOLOGICAL) STRUCTURE

MEMBRANE FUSION
SEE MEMBRANE, MEMBRANE FUSION

MEMBRANE LIPIDS
SEE LIPIDS, MEMBRANE LIPIDS

MEMBRANE PERMEABILITY AND TRANSPORT
SEE BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT

MEMBRANE POTENTIALS
SEE ELECTROPOTENTIALS, MEMBRANE POTENTIALS

MEMBRANE PROTEINS
SEE PROTEINS, MEMBRANE PROTEINS

MEMBRANE RECEPTORS
SEE RECEPTORS OF NON-SENSORY STIMULI (GENERAL)

MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)
SEE ALSO CELL ADHESION
SEE ALSO CELL-CELL INTERACTION, CELL AGGREGATION
SEE ALSO IMMUNOLOGY, ANTIGENS, SURFACE ANTIGENS (GENERAL)
P50DE-02668-19 0168 Regional dental research center - Platelets and thrombin (human)
P50DE-02670-19 0001 Institute of dental research - X-ray crystallography program
** P50DE-02670-19 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology
R01DE-03180-15 Microbiologic studies of the human oral streptococci (also rabbits)
R01DE-03301-15 Connective tissues of the periodontium (human, dog)
R01DE-04235-09 Peroxidase in saliva and prevention of oral disease (human, S mutants)
R01DE-04321-11 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-04518-09 Streptococcus sanguis receptors for salivary glycoproteins
R01DE-04614-09 Adherence of oral streptococci to hydroxyapatite
R01DE-05180-07 Regulation of surface synthesis in Streptococcus mutans
R01DE-05501-04 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
** R01DE-05586-05 Cell surface studies of the enamel organ (mice)
R01DE-05606-05 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
** R01DE-05630-05 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
R01DE-05632-05 Development of salivary gland secretory function (rats)
** R01DE-05838-06 Morphogenetic role of glycosaminoglycans (chick embryo)
R01DE-05991-05 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
R01DE-06051-04 Membranes of the dental pathogen Streptococcus mutans (rabbits)
R01DE-06165-03 Cell biology of periodontal ligament fibroblast
R01DE-06395-03 Molecular basis of the ecology of oral streptococci
R01DE-06397-03 Biochemical aspects of orofacial development
** R01DE-06555-03 Cell surface interactions of oral plaque bacteria (rabbits)
** R01DE-06744-02 Adherence of oral bacteria to cell surface components (humans, rabbits)

(contd)

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R01DE-06801-03 Mutants to study S mutans pathogenicity (mammals)
R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
R01DE-07120-02 Cell-substrate interaction in craniofacial morphogenesis
R03DE-07146-01 Biochemistry of Streptococcus mutans ribosomes (rabbits)
R01DE-07267-02 Periodontopathic bacteria--Chemical-biologic nature (animals)
R03DE-07278-01 Laminin and immune intervention in periodontal disease
R03DE-07282-01 Basal ganglia-trigeminal interactions (cats)
R23DE-07389-01 VIP receptors and submandibular gland function (rats)

MEMBRANE SYNTHESIS AND RECONSTITUTION
** R01DE-07086-01 Development of artificial oral mucosa (rabbits)
** R01DE-07168-02 Membrane function during germination of Candida albicans (mice)

MENSTRUAL CYCLE
SEE FERTILITY-INFERTILITY, SEX CYCLES, MENSTRUAL CYCLE

MENSTRUATION AND MENSTRUAL CYCLE
SEE FERTILITY-INFERTILITY, SEX CYCLES, MENSTRUAL CYCLE

MENTAL HEALTH
SEE ALSO PSYCHOLOGY, ATTITUDE TO HEALTH AND HEALTH PROBLEMS
SEE ALSO STRESS, PSYCHOSOCIAL STRESSORS
R01DE-07381-01 Prevalence of xerostomia--Relation to selected variables (human)

MENTAL HEALTH EPIDEMIOLOGY
** R01DE-06570-04 Psychosocial evaluation of craniofacial patients

MENTAL PERFORMANCE
SEE PSYCHOLOGY, PERFORMANCE

MERCURIALS
SEE METALS, HEAVY METALS, MERCURY (COMPOUNDS)

MERCURY (COMPOUNDS)
SEE METALS, HEAVY METALS, MERCURY (COMPOUNDS)

MERCURY POISONING
SEE METALS POISONING, MERCURY POISONING

MESENCEPHALON
SEE BRAIN, MESENCEPHALON

MESENCHYME
SEE CONNECTIVE TISSUE, MESENCHYME

MESSENGER RIBONUCLEIC ACID
SEE NUCLEIC ACIDS, MRNA

METABOLIC BONE DISEASE
SEE SKELETAL DISORDERS, BONE METABOLISM (GENERAL)

METABOLIC DISORDERS DIAGNOSIS*
R03DE-07283-01 Diabetes risk assessment in the elderly dental patient

METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA
R23DE-06832-02 Experimental diabetes and periodontitis (monkeys)

METABOLIC DISORDERS INBORN, CHEDIAK-HIGASHI SYNDROME
R01DE-03738-13 Humoral and cellular mediators of inflammation (human, mammals)

METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS
R01DE-01554-24 Host factors in caries resistance (human, bacteria)
** R01DE-04971-07 Salivary mucins and dental diseases (human)
** R01DE-06185-02 Sympathectomized salivary glands--Cystic fibrosis model (rats)
** R01DE-06373-03 Saliva formation studied by microprobe analysis (rats)
R01DE-06511-03 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)
R01DE-06913-03 Modulating role of prostaglandins in salivary glands (rats)

METABOLIC DISORDERS INBORN, EHLERS-DANLOS SYNDROME
P50DE-02600-19 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)

METABOLIC DISORDERS INBORN, MARFAN SYNDROME
P50DE-02600-19 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)

METABOLIC DISORDERS INBORN, OSTEOGENESIS IMPERFECTA
P50DE-02600-19 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)

METABOLIC DISORDERS INBORN, OSTEOPETROSIS
** P50DE-02668-19 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)
** R01DE-04724-07 Cellular events in bone remodeling (rats, mice, chickens)
R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)

METABOLISM*
SEE ALSO CALCIUM (MINERAL) BALANCE (METABOLISM)
SEE ALSO CARBOHYDRATES METABOLISM
SEE ALSO CONNECTIVE TISSUE METABOLISM
SEE ALSO ENDOCRINOLOGY, HORMONES METABOLISM
SEE ALSO FATTY ACIDS METABOLISM
SEE ALSO FATTY ACIDS METABOLISM, EICOSANOIDS METABOLISM
SEE ALSO IRON METABOLISM
SEE ALSO KIDNEY METABOLISM
SEE ALSO LIPIDS METABOLISM
SEE ALSO MUSCLE METABOLISM
SEE ALSO NUCLEIC ACIDS METABOLISM
SEE ALSO NUCLEOTIDES METABOLISM
SEE ALSO PROTEINS METABOLISM
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM (GENERAL)
SEE ALSO SKELETAL SYSTEM, BONE METABOLISM
SEE ALSO SKELETAL SYSTEM, CARTILAGE METABOLISM
SEE ALSO STEROID METABOLISM
** R03DE-06821-02 Regulation of bone cells three-dimensional culture models (mice)

METABOLISM, BIOTRANSFORMATION
R01DE-04387-09 Effect of fluoride on cAMP and glucose metabolism (rats)

METAL CHELATES
SEE METAL COMPLEXES

METAL COMPLEXES
** R01DE-05628-06 Interaction between fluoride and other dietary minerals (rats)
R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

METAL COMPLEXES, LIGANDS
R01DE-06170-03 Radiopaque restorative and prosthetic dental resins
R01DE-06179-03 Radiopaque restorative and prosthetic dental resins
R01DE-06436-04 Periodontosis--Characterization of the neutrophil defect (human)
R01DE-06744-02 Adherence of oral bacteria to cell surface components (humans, rabbits)
R23DE-06945-03 Identification of microbial lectins (rabbits)
R23DE-07256-02 Attachment protein interaction with periodontal bacteria (mice)
R23DE-07389-01 VIP receptors and submandibular gland function (rats)

METAL COMPLEXES, LIGANDS, CHELATING AGENTS
R01DE-06170-03 Radiopaque restorative and prosthetic dental resins

METAL DISORDERS AND IMBALANCES
SEE ALSO CALCIUM (MINERAL) IMBALANCES
** R03DE-07406-01 Effect of ingested ethyl alcohol on oral epithelium (rat)

METAL DISORDERS AND IMBALANCES, MAGNESIUM DEFICIENCY
R01DE-07223-01 Magnesium and calcium phosphate formation and stability (humans, fish)

METAL METABOLISM DISORDERS
SEE METAL DISORDERS AND IMBALANCES

METAL OXIDES
SEE ALSO IRON OXIDES
SEE ALSO METALS, ALUMINUM (COMPOUNDS), ALUMINUM OXIDE
R01DE-05460-05 Bonding of dental porcelain to non-precious alloys
R01DE-05839-03 In vivo vs in vitro cement solubility--Correlative study
R01DE-05374-04 Semi- and nonprecious metal-procelain systems

METALLOPROTEINS, LACTOFERRIN
R01DE-03995-11 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
R01DE-04518-09 Streptococcus sanguis receptors for salivary glycoproteins
** R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
R23DE-07233-01 Multivariate analysis of saliva antimicrobial proteins (humans)

METALS, ALKALI METALS, LITHIUM
P50DE-02670-19 0020 Institute of dental research - Effects of trace elements on tooth development and caries

METALS, ALKALINE EARTH METALS, BARIUM (COMPOUNDS)
R01DE-06170-03 Radiopaque restorative and prosthetic dental resins
R01DE-06179-03 Radiopaque restorative and prosthetic dental resins
** R01DE-06557-02 Effects of barium on human enamel and dental caries (rats)

METALS, ALKALINE EARTH METALS, MAGNESIUM
SEE ALSO METAL DISORDERS AND IMBALANCES, MAGNESIUM DEFICIENCY
P50DE-02668-19 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
R01DE-03223-15 Kinetics of mineralization of teeth (human)
R01DE-05628-06 Interaction between fluoride and other dietary minerals (rats)
R01DE-05932-05 The role of lipoproteins in microbial calcification
R01DE-06113-05 Determinants of fluoride in the oral environment (dogs, rats)
R01DE-06126-02 Synthesis-testing of a herpesvirus antiviral agent
R01DE-06185-02 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-06373-03 Saliva formation studied by microprobe analysis (rats)
** R01DE-07223-01 Magnesium and calcium phosphate formation and stability (humans, fish)

METALS, ALKALINE EARTH METALS, STRONTIUM (COMPOUNDS)
R01DE-01912-22 Tooth enamel anatite at the atomic level (human)
P50DE-02668-19 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
P50DE-02670-19 0020 Institute of dental research - Effects of trace elements on tooth development and caries
R01DE-06759-04 Quantitation of enamel demineralization mechanisms

METALS, ALLOYS
SEE ALSO DENTAL MATERIALS, AMALGAM DENTAL
R01DE-02320-20 Clinical behavior of dental restorative materials (human)
R01DE-03601-12 Effect of corrosion on dental amalgams
** R01DE-04883-08 Nature of alloy systems for crown and bridge restorations (human)
** R01DE-05321-06 Titanium alloys in dentistry
** R01DE-05460-05 Bonding of dental porcelain to non-precious alloys
** R01DE-05519-06 Oxidation behavior of Ni-base crown and bridge alloys
** R01DE-06374-04 Semi- and nonprecious metal-procelain systems
** R01DE-06539-03 Breakdown of amalgam margins--A microstructural study
** R01DE-06672-03 Optimization of metal-ceramic restoration design
** R01DE-06996-01 Biological molecules in the corrosion of dental alloys

METALS, ALUMINUM (COMPOUNDS)
P50DE-02670-19 0020 Institute of dental research - Effects of trace elements on tooth development and caries
R01DE-05129-08 Improvement of preventive and restorative materials (monkeys)
R01DE-06374-04 Semi- and nonprecious metal-procelain systems

METALS, ALUMINUM (COMPOUNDS), ALUMINUM OXIDE
R03DE-06675-02 Biological evaluation of a new dental cement (rats)
R03DE-07410-01 Effect of fluoride nucleation on glass-ceramic formation

METALS, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY TRACE ELEMENTS AND MINERALS

METALS, HEAVY METALS, CADMIUM (COMPOUNDS)
P50DE-02668-19 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel

METALS, HEAVY METALS, CHROMIUM (COMPOUNDS)
R01DE-04883-08 Nature of alloy systems for crown and bridge restorations (human)
R01DE-05321-06 Titanium alloys in dentistry
R01DE-05460-05 Bonding of dental porcelain to non-precious alloys
R01DE-06374-04 Semi- and nonprecious metal-procelain systems
R01DE-06672-03 Optimization of metal-ceramic restoration design

METALS, HEAVY METALS, COBALT (COMPOUNDS)
R01DE-06374-04 Semi- and nonprecious metal-procelain systems

METALS, HEAVY METALS, COPPER (COMPOUNDS)
P50DE-02668-19 0191 Regional dental research center - Clinical study of restorative materials
R01DE-04883-08 Nature of alloy systems for crown and bridge restorations (human)
R01DE-06112-05 Filled sealant as a conservative restorative material (human)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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R01DE-06539-03 Breakdown of amalgam margins--A microstructural study
R01DE-06720-02 Resistance of various restorative materials
** R01DE-06994-02 Palladium containing dental amalgam

METALS, HEAVY METALS, GOLD (COMPOUNDS)
R01DE-02320-20 Clinical behavior of dental restorative materials (human)
R01DE-04883-08 Nature of alloy systems for crown and bridge restorations (human)
R01DE-06672-03 Optimization of metal-ceramic restoration design
R43DE-07397-01 Alloy/solder interfaces--TEM microstructure vs strength

METALS, HEAVY METALS, INDIUM (COMPOUNDS)
R01DE-04883-08 Nature of alloy systems for crown and bridge restorations (human)

METALS, HEAVY METALS, MANGANESE (COMPOUNDS)
R01DE-04883-08 Nature of alloy systems for crown and bridge restorations (human)

METALS, HEAVY METALS, MERCURY (COMPOUNDS)
SEE ALSO DENTAL MATERIALS, AMALGAM DENTAL
SEE ALSO METALS POISONING, MERCURY POISONING
R01DE-04883-08 Nature of alloy systems for crown and bridge restorations (human)
R01DE-06539-03 Breakdown of amalgam margins--A microstructural study

METALS, HEAVY METALS, MOLYBDENUM (COMPOUNDS)
P50DE-02668-19 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
R01DE-06374-04 Semi- and nonprecious metal-procelain systems

METALS, HEAVY METALS, NICKEL (COMPOUNDS)
R01DE-04883-08 Nature of alloy systems for crown and bridge restorations (human)
R01DE-05460-05 Bonding of dental porcelain to non-precious alloys
** R01DE-05519-06 Oxidation behavior of Ni-base crown and bridge alloys
R01DE-06374-04 Semi- and nonprecious metal-procelain systems
R01DE-06672-03 Optimization of metal-ceramic restoration design

METALS, HEAVY METALS, PALLADIUM (COMPOUNDS)
R01DE-04883-08 Nature of alloy systems for crown and bridge restorations (human)
R01DE-06374-04 Semi- and nonprecious metal-procelain systems
R01DE-06672-03 Optimization of metal-ceramic restoration design
** R01DE-06994-02 Palladium containing dental amalgam
R43DE-07397-01 Alloy/solder interfaces--TEM microstructure vs strength

METALS, HEAVY METALS, SILVER (COMPOUNDS)
P50DE-02668-19 0191 Regional dental research center - Clinical study of restorative materials
R01DE-04883-08 Nature of alloy systems for crown and bridge restorations (human)
R01DE-06374-04 Semi- and nonprecious metal-procelain systems
R01DE-06539-03 Breakdown of amalgam margins--A microstructural study
R01DE-06672-03 Optimization of metal-ceramic restoration design

METALS, HEAVY METALS, TIN (COMPOUNDS)
R01DE-04883-08 Nature of alloy systems for crown and bridge restorations (human)
R01DE-06539-03 Breakdown of amalgam margins--A microstructural study
R01DE-06994-02 Palladium containing dental amalgam

METALS, HEAVY METALS, TITANIUM (COMPOUNDS)
** R01DE-04705-06 Reactions of titanium fluoride with hydroxpatite
** R01DE-05321-06 Titanium alloys in dentistry
** R01DE-05418-06 In vivo forces on endosseous dental implants (dogs)
R01DE-05563-05 The blade implant--Clinical efficacy and safety (human)
R01DE-06300-03 porous polyethylene and porous polysulfone tooth roots (monkeys)
R01DE-06730-02 Dental implant surfaces impeding epithelial migration (rats)
** R43DE-07034-01 Titanium alloys for partial dentures - Phase I
R03DE-07127-01 Deactivation behavior of orthodontics wires in flexure

METALS, HEAVY METALS VANADIUM (COMPOUNDS)
P50DE-02668-19 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel

METALS, HEAVY METALS, ZINC (COMPOUNDS)
P50DE-02670-19 0020 Institute of dental research - Effects of trace elements on tooth development and caries
P50DE-02670-19 0039 Institute of dental research - Structure and function of latent collagenase
R01DE-05129-09 Improvement of preventive and restorative materials (monkeys)
R01DE-05628-06 Interaction between fluoride and other dietary minerals (rats)
R01DE-05839-03 In vivo vs in vitro cement solubility--Correlative study
R01DE-05937-05 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06076-03 Pathobiology of oral mucosa (rabbits)
R01DE-06128-02 Synthesis-testing of a herpesvirus antiviral agent
R03DE-06675-02 Biological evaluation of a new dental cement (rats)
R23DE-06987-01 Study of surfactant use in restorative materials
** R03DE-07406-01 Effect of ingested ethyl alcohol on oral epithelium (rat)
** R03DE-07412-01 Effect of zinc on intestinal absorption of calcium (human)

METALS, METALLOIDS, SELENIUM (COMPOUNDS)
P50DE-02668-19 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel

METALS, RARE EARTHS, LANTHANUM (COMPOUNDS)
R01DE-06765-02 Ion transport through the maturation stage enamel organ (cows, rats)

METALS CARCINOGENESIS
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENS, CHEMICAL

METALS POISONING, LEAD POISONING
** R03DE-07301-01 Congenital effects of low mercury and lead exposure (human)

METALS POISONING, MERCURY POISONING
R01DE-04883-08 Nature of alloy systems for crown and bridge restorations (human)
** R01DE-06519-01 Dental amalgams contribution to blood mercury levels
** R03DE-07301-01 Congenital effects of low mercury and lead exposure (human)

METAMORPHOSIS
SEE GROWTH AND DEVELOPMENT, METAMORPHOSIS

METHACRYLATES
SEE PLASTICS, ACRYLIC POLYMERS, METHACRYLATES

METHIONINE
SEE SULFUR AMINO ACIDS, METHIONINE

METHYLATION
SEE ALKYL (GROUPS), METHYLATION-DEMETHYLATION

N(5)-METHYLFOLIC ACID
SEE VITAMINS, FOLACINS, FOLIC ACID

10-METHYLOCTADECANOIC ACID
SEE FATTY ACIDS

METHYLPREDNISOLONE
SEE ADRENAL CORTEX HORMONES ANALOGS, METHYLPREDNISOLONE

METHYLSULFOXIDE
SEE SULFOXIDES, DIMETHYL SULFOXIDE

5-METHYLTOCOL
SEE VITAMINS, VITAMIN E, TOCOLS

8-METHYLTOCOL
SEE VITAMINS, VITAMIN E, TOCOLS

METHYL TRANSFER
SEE ALKYL TRANSFER, TRANSMETHYLATION

METHYLUREA
SEE AMIDES, UREA

METRONIDAZOLE
SEE IMIDAZOLES, METRONIDAZOLE

MG
SEE METALS, ALKALINE EARTH METALS, MAGNESIUM

MHC (LOCUS)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

MICE (LABORATORY)
SEE MAMMALS, RODENTS, MYOMORPHA, MICE (LABORATORY)*

MICROALGAL GENETICS
SEE GENETICS, MICROBIAL

MICROBIAL ANTIGENS
SEE IMMUNOLOGY, ANTIGENS MICROBIAL

MICROBIAL CULTURE
SEE GROWTH MICROORGANISMS, MICROBIAL CULTURE

MICROBIAL GENETICS
SEE GENETICS, MICROBIAL

MICROBIAL GROWTH
SEE GROWTH MICROORGANISMS

MICROBIAL IDENTIFICATION AND CLASSIFICATION (TECHNIQUES)
P50DE-02600-19 0037 Support for oral biology research center - Periodontal microflora (human)
P01DE-02847-17 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
P01DE-02847-17 0023 Microbial ecology and its relation to dental disease - Microbiota associated with periodontal diseases (human, rats, hamsters)
** R01DE-03488-14 Microbial composition of developing dental plaque (human, bacteria)
** R01DE-05054-07 Periodontal disease--Microbiological studies (human)
** P50DE-05139-08 0001 Clinical research center for periodontal disease - Microbiology (human)
** R01DE-05144-06 Periodontal disease--Role of spirochetes (rabbits)
R01DE-06031-03 Population genetics of the Streptoccus mutans complex (human)
R01DE-06085-03 Interaction of oral spirochetes with periodontal tissues (human, rats)
** R01DE-06231-03 Monoclonal antibody analysis of plaque microorganisms (mice)
P50DE-07009-02 0002 Specialized caries research centers - Microbial etiology of root surface caries (human, rats)
P50DE-07118-01 0001 Periodontal diseases research center - Clinical studies (children)
** P50DE-07118-01 0002 Periodontal diseases research center - Clinical microbiological studies (children)
** P50DE-07118-01 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection
** R01DE-07126-02 Molecular taxonomy of non-hemolytic streptococci
** R01DE-07128-02 Microbiology of ligature-induced periodontitis (monkeys)
R43DE-07528-01 Immuno-diagnostic probe for periodontitis

MICROBIAL IDENTIFICATION AND CLASSIFICATION, SEROTYPING
SEE ALSO IMMUNITY, CROSS IMMUNITY
** P50DE-02600-19 0035 Support for oral biology research center - Serotyping of microbes for diagnosis of periodontitis (rabbits)
R01DE-03180-15 Microbiologic studies of the human oral streptococci (also rabbits)
R01DE-05991-05 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
P50DE-07118-01 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection

MICROBIAL IDENTIFICATION AND CLASSIFICATION, VIRAL TYPING AND IDENTIFICATION
** R01DE-07688-01 Human T cell responses to herpes simplex virus antigens (human, mice)

MICROBIAL IMMUNOLOGY
SEE IMMUNOLOGY, MICROBIAL

MICROBIAL INTERACTION
SEE ALSO REPRODUCTION MICROORGANISMS, CONJUGATION MICROORGANISMS
P50DE-02731-19 0034 Development support for dental research institute - Microbial biochemistry laboratory
R01DE-06085-03 Interaction of oral spirochetes with periodontal tissues (human, rats)

MICROBIAL MATTS
R01DE-05334-05 Periodontal therapy by controlled local drug delivery (human)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

MICROBIAL ORAL FLORA
SEE ALSO BACTERIA, ACTINOMYCETALES, ACTINOMYCES*
SEE ALSO BACTERIA, ACTINOMYCETALES, LEPTOTRICHIA*
SEE ALSO BACTERIA, BACTEROIDACEAE, BACTEROIDES*
SEE ALSO BACTERIA, BACTEROIDACEAE, BACTEROIDES MELANINOGENICUS*
SEE ALSO BACTERIA, BACTEROIDACEAE, FUSOBACTERIA*
SEE ALSO BACTERIA, LACTOBACILLACEAE, LACTOBACILLUS CASEI*
SEE ALSO BACTERIA, NEISSERIACEAE, VEILLONELLA*
SEE ALSO BACTERIA, PSEUDOMONADALES, VIBRIO*
SEE ALSO BACTERIA, SPIROCHETES, TREPONEMA*
SEE ALSO BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS*
SEE ALSO BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS MITIS*
SEE ALSO BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS MUTANS*
SEE ALSO BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS SALIVARIUS

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number

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SEE ALSO DENTISTRY
R01DE-01554-24 Host factors in caries resistance (human, bacteria)
P50DE-02600-19 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
P50DE-02600-19 0023 Support for oral biology research center - Regulation of antibody response (mice)
** P50DE-02600-19 0035 Support for oral biology research center - Serotyping of microbes for diagnosis of periodontitis (rabbits)
** P50DE-02600-19 0037 Support for oral biology research center - Peridontal microflora (human)
P50DE-02600-19 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
** P50DE-02600-19 0045 Support for oral biology research center - Colonization by oral gram negative anaerobic bacteria
** P50DE-02600-19 0047 Support for oral biology research center - Clinical research on periodontal diseases
** P50DE-02623-18 0009 Center for oral health research - Oral microorganisms in periodontal health and disease (human, rats)
** P50DE-02623-18 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
** P50DE-02623-18 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
** P50DE-02623-18 0034 Center for oral health research - Bacterial components inducing bone resroption
** P50DE-02623-18 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
P50DE-02670-19 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
P50DE-02670-19 0018 Institute of dental research - Immune response to Streptococcus mutans
P50DE-02670-19 0037 Institute of dental research - IgA responses to S mutans--Induction and regulation
P50DE-02670-19 0040 Institute of dental research - Streptococcus mutans strains common to mother and child (mammals)
P50DE-02670-19 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology
P50DE-02731-19 0021 Development support for dental research institute - Bacteriology laboratory (human)
P50DE-02731-19 0033 Development support for dental research institute - Epidemiology laboratory (human)
** P50DE-02731-19 0034 Development support for dental research institute - Microbial biochemistry laboratory
P50DE-02731-19 0035 Development support for dental research institute - Immunology laboratory
M P01DE-02847-17 Microbial ecology and its relation to dental disease
** P01DE-02847-17 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
** P01DE-02847-17 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
** P01DE-02847-17 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
** P01DE-02847-17 0023 Microbial ecology and its relation to dental disease - Microbiota associated with periodontal diseases (human, rats, hamsters)
** R01DE-03180-15 Microbiologic studies of the human oral streptococci (also rabbits)
R01DE-03246-16 Biochemical mechanisms relevant to dentistry
** R01DE-03487-14 Inhibition of human cariogenic streptococci
R01DE-03488-14 Microbial composition of developing dental plaque (human, bacteria)
R01DE-03731-10 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03739-13 Glycosyltransferases from oral bacteria
R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
R01DE-03758-11 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
** R01DE-03917-10 Fluoride and the metabolism of plaque bacteria
R01DE-03995-11 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
R01DE-04217-11 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
** R01DE-04224-11 Studies on the genetics of oral microflora (rats)
** R01DE-04235-09 Peroxidase in saliva and prevention of oral disease (human, S mutants)
R01DE-04321-11 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-04385-10 Mechanism of dental caries
R01DE-04486-08 Kinetics and mechanisms of action of fluorides (human)
** R01DE-04518-09 Streptococcus sanguis receptors for salivary glycoproteins
** R01DE-04529-09 Replacement therapy of dental caries (rats)
R01DE-04614-09 Adherence of oral streptococci to hydroxyapatite
R01DE-04733-08 Secretory immune response and S mutans glucosyltransferase (mammals)
P50DE-04881-09 0001 Clinical research in periodontal disease - Diagnosis and treatment of destructive periodontal diseases (human)
** P50DE-04881-09 0002 Clinical research in periodontal disease - Relationship of subgingival microbiota to the etiology of periodontal diseases
** P50DE-04881-09 0003 Clinical research in periodontal disease - Host immunologic response to oral microorganisms
P50DE-04881-09 0004 Clinical research in periodontal disease - Bone destruction in periodontal disease (human)
M P50DE-04898-09 Periodontal disease research center
** P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
** P50DE-04898-09 0002 Periodontal disease research center - Host response in periodontal disease (human)
** P50DE-04898-09 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
** R01DE-05054-07 Periodontal disease--Microbiological studies (human)
** P50DE-05139-08 0001 Clinical research center for periodontal disease - Microbiology (human)
** P50DE-05139-08 0002 Clinical research center for periodontal disease - Immunological investigations (human)
P50DE-05139-08 0003 Clinical research center for periodontal disease - Human genetics section
R01DE-05144-06 Periodontal disease--Role of spirochetes (rabbits)
** R01DE-05180-07 Regulation of surface synthesis in Streptococcus mutans
R01DE-05253-06 Measurements of enamel permeability as related to caries (human)
R01DE-05334-05 Periodontal therapy by controlled local drug delivery (human)
R01DE-05476-05 Novel peptide derived sweeteners
R01DE-05494-06 Activation of macrophages in periodontal disease (mice)
** R01DE-05606-05 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
R01DE-05626-05 Role of complement in periodontal disease
** R01DE-05640-05 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05666-05 Biochemistry of salivary lipids (rats, human)
R01DE-05817-05 Cellular mechanisms of collagen breakdown (human, animals)
** R01DE-05932-05 The role of lipoproteins in microbial calcification
R01DE-05966-04 Mechanisms of sugar transport in streptococcus mutans
R01DE-05990-02 Periodontitis, leukocyte function and diabetic status (human)
** R01DE-05991-05 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
R01DE-06014-04 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
R01DE-06030-04 Metronidazole therapy in periodontal disease (human)
R01DE-06031-03 Population genetics of the Streptoccus mutans complex (human)
** R01DE-06039-03 Properties of lipoteichoic acids from cariogenic bacteria
R01DE-06071-02 Calcium metabolism in Streptococcus mutans
** R01DE-06082-03 Genetic analysis of streptococcus mutans cariogenicity
** R01DE-06085-03 Interaction of oral spirochetes with periodontal tissues (human, rats)
R01DE-06103-03 Evaluation of four modalities of periodontal therapy
R01DE-06105-03 Using fluoride-chlorhexidine to prevent radiation caries (human)
** R01DE-06127-03 Acid-base physiology of oral streptococci
R01DE-06153-04 Antibody to glucosyltransferase in adults and children
** R01DE-06175-03 Beta-lactamases produced by periodontal bacteria
** R01DE-06231-03 Monoclonal antibody analysis of plaque microorganisms (mice)
** R01DE-06395-03 Molecular basis of the ecology of oral streptococci
R01DE-06424-01 Development of oral tissues after early undernutrition (human)
R01DE-06436-04 Periodontosis--Characterization of the neutrophil defect (human)
R01DE-06514-04 Oral diseases and diabetes in the Gila River Indian Community
R01DE-06516-03 Oral infection in myelosuppressed cancer patients
R01DE-06551-02 Stress, host factors, and acute necrotizing gingivitis (human)
** R01DE-06555-03 Cell surface interactions of oral plaque bacteria (rabbits)
R01DE-06622-02 Molecular mechanisms of periodontal disease
** R23DE-06640-03 Neutrophil defects induced by oral bacterial products
** R01DE-06644-03 Physiology of oral bacteria--Sugar, PH and F relations
R01DE-06669-03 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
R01DE-06740-02 Human antibody responsiveness and dental caries
** R01DE-06744-02 Adherence of oral bacteria to cell surface components (humans, rabbits)
R01DE-06746-02 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
R01DE-06748-02 Synthesis and function of polymers in oral bacteria (rats)
** R23DE-06757-02 Myeloperoxidase selective killing of oral bacteria (rabbits)
** R03DE-06814-02 Transposon mutagenesis of the oral streptococci
R23DE-06832-02 Experimental diabetes and periodontitis (monkeys)
** R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
R01DE-06880-02 Host defense mechanism to oral bacteria (mice, rabbits, human)
** R23DE-06945-03 Identification of microbial lectins (rabbits)
** R01DE-06949-01 In vitro bone resorption by products of oral bacteria (animals)
** R01DE-06989-01 Neutrophil function in periodontal disease (human)
P50DE-07003-02 0002 Rochester caries research center - Immunochemical studies of actinomyces viscosus polysaccharides (rats)
P50DE-07003-02 0003 Rochester caries research center - Genetics of Streptococcus mutans
P50DE-07003-02 0004 Rochester caries research center - Salivary pellicle and dental caries (human)
** P50DE-07003-02 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
M P50DE-07009-02 Specialized caries research centers
P50DE-07009-02 0001 Specialized caries research centers - Clinical studies of root caries (human)
** P50DE-07009-02 0002 Specialized caries research centers - Microbial etiology of root surface caries (human, rats)
** P50DE-07009-02 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
** P50DE-07009-02 0004 Specialized caries research centers - Immunological aspects of root caries (human)
** P50DE-07009-02 0005 Specialized caries research centers - Physical, chemical and microbiological aspects of root caries formation (human)
P50DE-07009-02 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)
P50DE-07010-02 0004 Specialized caries research center - Carbohydrates in root caries
** P50DE-07010-02 0005 Specialized caries research center - Immunological investigation of root surface caries
** P50DE-07010-02 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents
** P50DE-07010-02 0007 Specialized caries research center - Bacterial interrelationships in an animal model (rats)
R03DE-07051-01 HPLC analysis of purine nucleosides in crevicular fluid
** R23DE-07077-01 Cell surface regulation in a cariogenic streptococci
M P50DE-07117-01 Periodontal disease research center
P50DE-07117-01 0001 Periodontal disease research center - Two monitored patient groups--Clinical component
** P50DE-07117-01 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology
** P50DE-07117-01 0003 Periodontal disease research center - Two monitored patient groups--Immunology
** P50DE-07117-01 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
P50DE-07118-01 0001 Periodontal diseases research center - Clinical studies (children)
** P50DE-07118-01 0002 Periodontal diseases research center - Clinical microbiological studies (children)
P50DE-07118-01 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
P50DE-07118-01 0004 Periodontal diseases research center - PMN functional studies (children)
P50DE-07118-01 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
** P50DE-07118-01 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection
R01DE-07128-02 Microbiology of ligature-induced periodontitis (monkeys)
** R03DE-07140-01 In vitro interactions of bacteria from periodontitis
R03DE-07146-01 Biochemistry of Streptococcus mutans ribosomes (rabbits)
** R01DE-07199-01 Adherence factors of oral streptococci (human)
** R01DE-07218-01 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)
** R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R23DE-07256-02 Attachment protein interaction with periodontal bacteria (mice)
R01DE-07257-02 IgA protease and dental caries
** R01DE-07267-02 Periodontopathic bacteria--Chemical-biologic nature (animals)
R03DE-07278-01 Laminin and immune intervention in periodontal disease

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

R03DE-07299-01 Ultramicro analysis of plaque samples from single sites
** R03DE-07313-01 Ligand receptor interactions of actinomyces viscosus (human, rabbit)
R03DE-07314-01 Genetics of streptococcus sanguis (rats)
R01DE-07344-01 Black-pigmented bacteroides--Drug resistance and virulence
R01DE-07376-01 Biochemical profile for gingival crevicular fluid
R03DE-07405-01 Model for root caries following alveolar bone loss
** R03DE-07424-01 Bacterial invasion of a basement membrane - like matrix in vitro
** R43DE-07528-01 Immuno-diagnostic probe for periodontitis
R13DE-07614-01 Consensus conference--Methods for cariogenic potential of food
** R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)
N01DE-12433-05 Phase contrast evaluation of subgingival plaque
** N01DE-42500-05 Microbiological information system
N01DE-42551-01 Develop antigens and adjuvants for carries immunity
N01DE-42552-02 Prevent maternal transmission of streptococcus mutans (humans)
N01DE-52558-00 Clinical studies of periodontal diseases in older adult
N01DE-52559-00 Clinical studies of periodontal diseases in older adults

MICROBIAL PHYSIOLOGY AND GENETICS STUDY SECTION
** R01DE-03606-16 Morphogenesis of bacteriophage Phi 29
** R01DE-04224-11 Studies on the genetics of oral microflora (rats)
** R01DE-04645-08 A genetic-biochemical analysis of spirochete motility (mice)
** R01DE-05966-04 Mechanisms of sugar transport in streptococcus mutans
** R01DE-06031-03 Population genetics of the Streptococcus mutans complex (human)
** R01DE-06071-02 Calcium metabolism in Streptococcus mutans
** R01DE-06673-03 Genetic and biochemical bases for S mutans virulence (rabbits)
** R01DE-07126-02 Molecular taxonomy of non-hemolytic streptococci
** R01DE-07267-02 Periodontopathic bacteria--Chemical-biologic nature (animals)

MICROBIAL POPULATION STUDIES
SEE POPULATION STUDIES MICROORGANISMS

MICROBIAL RESISTANCE TO DRUGS
SEE DRUGS RESISTANCE, MICROBIAL

MICROCIRCULATION
SEE CARDIOVASCULAR SYSTEM, MICROCIRCULATION

MICROCOMPUTER
SEE COMPUTER (GENERAL) INCL COMPUTER DATA PROCESSING (GENERAL)

MICROELECTRODES
SEE ELECTRODES, MICROELECTRODES*

MICROFILAMENTS
SEE CELL COMPONENTS, MICROFILAMENTS

MICROORGANISMS
SEE ALSO BACTERIA (GENERAL)*
SEE ALSO ENVIRONMENT, ECOLOGY ORGANISMS
SEE ALSO GENETICS, MICROBIAL
SEE ALSO GENETICS, POPULATION GENETICS MICROORGANISMS
SEE ALSO GROWTH MICROORGANISMS
SEE ALSO MICROBIAL ORAL FLORA
SEE ALSO POPULATION STUDIES MICROORGANISMS
** R01DE-05932-05 The role of lipoproteins in microbial calcification
R03DE-07278-01 Laminin and immune intervention in periodontal disease

MICROORGANISMS, ANAEROBES
SEE ALSO BACTERIA, NEISSERIACEAE, VEILLONELLA*
P50DE-02600-19 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
** P50DE-02600-19 0045 Support for oral biology research center - Colonization by oral gram negative anaerobic bacteria
R01DE-06030-04 Metronidazole therapy in periodontal disease (human)
R01DE-06555-03 Cell surface interactions of oral plaque bacteria (rabbits)
R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
R01DE-06880-02 Host defense mechanism to oral bacteria (mice, rabbits, human)
R01DE-06989-01 Neutrophil function in periodontal disease (human)
R01DE-07344-01 Black-pigmented bacteroides--Drug resistance and virulence
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

MICROORGANISMS VIRULENCE
SEE ALSO BACTERIAL DISEASES, CYTOPATHOGENIC EFFECT BACTERIAL
SEE ALSO DRUGS RESISTANCE, MICROBIAL
P01DE-02847-17 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
P01DE-02847-17 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
P01DE-02847-17 0023 Microbial ecology and its relation to dental disease - Microbiota associated with periodontal diseases (human, rats, hamsters)
** R01DE-03758-11 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
R01DE-04217-11 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-04224-11 Studies on the genetics of oral microflora (rats)
R01DE-04645-08 A genetic-biochemical analysis of spirochete motility (mice)
** R01DE-05991-05 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
** R01DE-06673-03 Genetic and biochemical bases for S mutans virulence (rabbits)
** R01DE-06801-03 Mutants to study S mutans pathogenicity (mammals)
R23DE-07077-01 Cell surface regulation in a cariogenic streptococci
P50DE-07118-01 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection
** R01DE-07168-02 Membrane function during germination of Candida albicans (mice)
** R03DE-07314-01 Genetics of streptococcus sanguis (rats)
** R01DE-07344-01 Black-pigmented bacteroides--Drug resistance and virulence
** R23DE-07388-01 Glucan-mediated intraoral demineralization by S mutans (human)

MICROPHONE, PROBE TUBE
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

MICROSCOPY (GENERAL)
SEE OPTICS, MICROSCOPY (GENERAL)*

MICROSOMES
SEE CELL COMPONENTS, MICROSOMES

MICROSPHERE THERAPY
SEE DRUGS, DRUG DELIVERY SYSTEMS

MICROSURGERY AND MICRODISSECTION
SEE SURGERY, MICROSURGERY AND MICRODISSECTION

MICROTUBULES
SEE CELL COMPONENTS, MICROTUBULES (GENERAL)

MIDBRAIN
SEE BRAIN, MESENCEPHALON

MIDCHILDHOOD
SEE CHILDREN, MIDCHILDHOOD (6 TO 12 YRS)

MIDDLE AGE
SEE AGE (HUMAN), ADULT, MIDDLE AGE (45 TO 64 YRS)

MIDDLE EAR DISORDERS
SEE EAR DISORDERS, MIDDLE EAR DISORDERS

MIF (LYMPHOKINES)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, MIGRATION INHIBITORY FACTOR

MIGRATION, CELL
SEE CELL MIGRATION

MIGRATION INHIBITORY FACTOR
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, MIGRATION INHIBITORY FACTOR

MILK
SEE BODY FLUIDS, MILK

MINERAL BALANCE - METABOLISM
SEE CALCIUM (MINERAL) BALANCE (METABOLISM)

MINERAL METABOLISM DISORDERS
SEE CALCIUM (MINERAL) IMBALANCES

MINERALIZATION ENHANCING DRUGS
SEE CALCIFICATION ENHANCING AGENTS

MINERALIZATION INHIBITORS
SEE CALCIFICATION INHIBITORS

MINERALIZATION OF BONE
SEE SKELETAL SYSTEM, BONE DEVELOPMENT, OSSIFICATION NORMAL

MINERALS
SEE CHEMICALS (GENERAL), MINERALS (GENERAL)

MINERALS, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY TRACE ELEMENTS AND MINERALS

MISCARRIAGE
SEE PREGNANCY LOSS, ABORTION

MITOCHONDRIA
SEE CELL COMPONENTS, MITOCHONDRIA

MITOGENIC FACTORS, PLANT
SEE PLANTS PROTEINS, LECTINS

MITOGENS
SEE ALSO PLANTS EXTRACTS, POKEWEED EXTRACTS
SEE ALSO PLANTS PROTEINS, LECTINS
P50DE-02670-19 0018 Institute of dental research - Immune response to Streptococcus mutans
R01DE-06645-03 Genetic regulation of B cell replication and function (mice)
R01DF-06949-01 In vitro bone resorption by products of oral bacteria (animals)

MITOSIS
SEE CELL DIVISION, MITOSIS

MMIF (LYMPHOKINES)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, MIGRATION INHIBITORY FACTOR

MN
SEE METALS, HEAVY METALS, MANGANESE (COMPOUNDS)

MO
SEE METALS, HEAVY METALS, MOLYBDENUM (COMPOUNDS)

MODELS, BIOLOGICAL
P50DE-02668-19 0213 Regional dental research center - Action of androgen on submaxillary gland function
R01DE-04164-08 Functional properties of rabbit jaw muscles (rabbit)
R01DE-04733-08 Secretory immune response and S mutans glucosyltransferase (mammals)
P01DE-05837-05 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
R03DE-06814-02 Transposon mutagenesis of the oral streptococci

MODELS, CHEMICAL
P50DE-02668-19 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)
R01DE-06552-04 Hydroxyapatite remineralization--The role of fluoride
** R01DE-06569-04 Quantitation of enamel demineralization mechanisms

MODELS, DESIGN AND DEVELOPMENT OF MODELS
** P01DE-01697-23 0035 A research program in craniofacial problems - Non-human primate model of cleft palate and ear disease (monkeys)
** R01DE-06880-02 Host defense mechanism to oral bacteria (mice, rabbits, human)
** P50DE-07009-02 0001 Specialized caries research centers - Clinical studies of root caries (human)
** P50DE-07009-02 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)
** R23DE-07328-01 A quantitative study of lesion formation in animal models (also human)
** R01DE-07514-01 TMJS/TMPDS--Evaluating structural and functional models (human)

MODELS, DISEASE MODELS
** P01DE-01697-23 0035 A research program in craniofacial problems - Non-human primate model of cleft palate and ear disease (monkeys)
** P01DE-01697-23 0040 A research program in craniofacial problems - Pattern recognition for reconstruction of nasal capsular anatomy (primates)
R01DE-03318-14 The molecular nature of gingival and mucosal collagen (rats)
** R23DE-06118-03 Acquired defects of the jaw joint (TMJ)--A model system (chickens, rabbits)
R01DE-06216-03 Gene-environment interactions in cleft lip mice (monkeys)
** R01DE-06402-03 Root caries--An in vitro model system
R23DE-06524-02 The pathogenesis of chronic oral candidiasis in the rat
R03DE-06821-02 Regulation of bone cells three-dimensional culture models (mice)
** R01DE-06880-02 Host defense mechanism to oral bacteria (mice, rabbits, human)
** P50DE-07003-02 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
** P50DE-07009-02 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)
P50DE-07117-01 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
** R03DE-07123-01 Role of cytomegalovirus in Sjogren's syndrome
** R23DE-07328-01 A quantitative study of lesion formation in animal models (also human)
** R01DE-07375-01 Dietary factors and root caries in animals (hamsters)
R03DE-07405-01 Model for root caries following alveolar bone loss
R01DE-07688-01 Human T cell responses to herpes simplex virus antigens (human, mice)

MODELS, GENETIC MODELS
** R03DE-07274-01 Detecting heterogeneity in juvenile periodontitis (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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MODELS, HEALTH CARE MODELS
R01DE-06417-02 Factors influencing long-term oral self-care (human)

MODELS, MATHEMATICAL
SEE ALSO COMPUTER SIMULATION
P01DE-01697-23 0040 A research program in craniofacial problems - Pattern recognition for reconstruction of nasal capsular anatomy (primates)
P50DE-02668-19 0150 Regional dental research center - Polymerization of tooth restorative composite materials
R01DE-03953-11 Force systems from orthodontic appliances
R01DE-05180-07 Regulation of surface synthesis in Streptococcus mutans
R01DE-05423-06 Diffuse reflectance by esthetic dental materials
R01DE-05980-02 Stress analysis of mandibular partial dentures
R01DE-06552-04 Hydroxyapatite remineralization--The role of fluoride
R01DE-06569-04 Quantitation of enamel demineralization mechanisms
R43DE-06778-01 Videodisc and computer technology in malocclusion
** R01DE-06859-01 Biomechanics of the mandible (human)
R01DE-06881-03 Oral facial morphology and breathing--Quantitative studies (human)
P50DE-07009-02 0001 Specialized caries research centers - Clinical studies of root caries (human)
** R01DE-07186-01 Validation of an index to score dental aesthetics (human)
R03DE-07319-02 Intermicroscopic correlation of remineralization

MODELS, PSYCHOLOGICAL MODELS
R03DE-07042-02 Interdependence in the dentist-patient relationship
** R01DE-07514-01 TMJS TMPDS--Evaluating structural and functional model. (human)

MODELS, SOCIAL MODELS
** R03DE-07042-02 Interdependence in the dentist-patient relationship

MODELS, STRUCTURAL MODELS
SEE ALSO PROSTHESIS
R01DE-05354-08 Prevention of dental caries
R01DE-05980-02 Stress analysis of mandibular partial dentures
** R01DE-07514-01 TMJS TMPDS--Evaluating structural and functional models (human)

MODELS OF OR FOR HEALTH CARE SYSTEMS
SEE MODELS, HEALTH CARE MODELS

MODELS OF OR FOR SOCIAL SYSTEMS
SEE MODELS, SOCIAL MODELS

MOLECULAR AND CELLULAR BIOPHYSICS STUDY SECTION
** R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)

MOLECULAR BASIS OF NEOPLASTIC DISEASE
SEE NEOPLASMS CHARACTERISTICS, MOLECULAR LEVEL STUDIES (GENERAL)

MOLECULAR BIOLOGY (GENERAL)
SEE ALSO NEOPLASMS CHARACTERISTICS, MOLECULAR LEVEL STUDIES (GENERAL)
** R01DE-01912-22 Tooth enamel apatite at the atomic level (human)
P50DE-02623-18 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
P50DE-02668-19 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
** P50DE-02670-19 0013 Institute of dental research - Chemistry/biology of the genetically-distinct collagens
P50DE-02670-19 0029 Institute of dental research - Structure and interactions of proteoglycans
R01DE-04970-07 Nuclear composition and organization for odontogenesis (rats)
R01DE-05966-05 Biochemistry of salivary lipids (rats, human)
** R01DE-06395-03 Molecular basis of the ecology of oral streptococci
** R01DE-06622-02 Molecular mechanisms of periodontal disease

MOLECULAR CLONING
SEE GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING

MOLECULAR CONDENSATIONS, COPOLYMERS
N01DE-52555-00 Methods for the intraoral fluoride-releasing device

MOLECULAR CONDENSATIONS, POLYMERIZATION-DEPOLYMERIZATION
** P50DE-02668-19 0150 Regional dental research center - Polymerization of tooth restorative composite materials
R01DE-03578-14 Biosynthetic study of dental plaque polysaccharides (bacteria)
** R01DE-05129-08 Improvement of preventive and restorative materials (monkeys)
R01DE-06201-01 Water sorption of glassy dental polymers
R23DE-07079-01 Effect of composition on fracture and creep of composite
** R03DE-07433-01 Periodontosis--A defect in PMN actin polymerization (human)

MOLECULAR CONDENSATIONS, POLYMERS (GENERAL)
SEE ALSO MOLECULAR CONDENSATIONS, RESINS
** P50DE-02668-19 0149 Regional dental research center - Strengths of polymers in tooth restorative materials
P50DE-02670-19 0024 Institute of dental research - Biosynthesis of heparin and heparin sulfate
R01DE-03180-15 Microbiologic studies of the human oral streptococci (also rabbits)
R01DE-03487-14 Inhibition of human cariogenic streptococci
R01DE-03731-10 Studies on the dextran sucrase of Streptococcus sanguis
** R01DE-04749-06 F-releasing and acid barrier-polymer caries therapies
** R01DE-04814-06 Clinical evaluation of PNF permanent soft denture liners
R01DE-05839-03 In vivo vs in vitro cement solubility--Correlative study
** R01DE-05945-04 Physicochemical modifications of dental restoratives
R01DE-06170-03 Radiopaque restorative and prosthetic dental resins
R01DE-06179-03 Radiopaque restorative and prosthetic dental resins
** R01DE-06201-01 Water sorption of glassy dental polymers
** R01DE-06748-02 Synthesis and function of polymers in oral bacteria (rats)
R23DE-07077-01 Cell surface regulation in a cariogenic streptococci

MOLECULAR CONDENSATIONS, RESINS
R01DE-02320-20 Clinical behavior of dental restorative materials (human)
** P50DE-02668-19 0191 Regional dental research center - Clinical study of restorative materials
R01DE-03246-16 Biochemical mechanisms relevant to dentistry
R01DE-04749-06 F-releasing and acid barrier-polymer caries therapies
** R01DE-05129-08 Improvement of preventive and restorative materials (monkeys)
** R01DE-06170-03 Radiopaque restorative and prosthetic dental resins
** R01DE-06179-03 Radiopaque restorative and prosthetic dental resins
R01DE-06720-02 Resistance of various restorative materials
R01DE-07030-01 Epidemiology, prevention and treatment of root caries (humans)
R23DE-07079-01 Effect of composition on fracture and creep of composite
** N01DE-52557-00 Clinical trial of an adhesive material

MOLECULAR LEVEL STUDIES OF NEOPLASMS
SEE NEOPLASMS CHARACTERISTICS, MOLECULAR LEVEL STUDIES (GENERAL)

MOLECULAR STABILITY
SEE CHEMICAL STABILITY

MOLECULAR STRUCTURE
SEE CHEMICAL STRUCTURE

MOLECULAR STRUCTURE-BIOLOGICAL ACTIVITY
SEE CHEMICAL STRUCTURE--BIOLOGICAL ACTIVITY

MOLECULAR WEIGHT
R01DE-03578-14 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-05956-05 The adhesive of Mytilus byssus
R01DE-06952-02 Enamel secretory matrix protease (cattle, rats)

MOLECULES, MACROMOLECULES
SEE ALSO MOLECULAR CONDENSATIONS, POLYMERS (GENERAL)
P50DE-02668-19 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
** P50DE-02670-19 0003 Institute of dental research - Macromolecules of mineralized tissues
P50DE-02731-19 0031 Development support for dental research institute - Biochemistry laboratory (human)
R01DE-05180-07 Regulation of surface synthesis in Streptococcus mutans
R01DE-05251-06 Salivary gland secretory mechanisms (rats)
** R01DE-05640-05 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-06039-03 Properties of lipoteichoic acids from cariogenic bacteria
R01DE-06395-03 Molecular basis of the ecology of oral streptococci
R01DE-06553-03 Arachidonate metabolism and orofacial development (mice)
R23DE-06739-02 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
R01DE-06954-01 Structural studies of matrix proteins in teeth and bone

MOLLUSKS, PELECYPODS*
** R01DE-05956-05 The adhesive of Mytilus byssus
** R43DE-07266-01 Mytilus edulis polyphenolic protein--Adhesive system development

MOLYBDENUM (COMPOUNDS)
SEE METALS, HEAVY METALS, MOLYBDENUM (COMPOUNDS)

MONILIA ALBICANS
SEE FUNGI, YEASTS, CANDIDA ALBICANS*

MONILIASIS
SEE MYCOSES, MONILIASIS

MONOAMINE OXIDASE
SEE OXIDOREDUCTASES, MONOAMINE OXIDASE

MONOCLONAL ANTIBODIES
SEE IMMUNOLOGICAL PREPARATIONS, MONOCLONAL ANTIBODIES

MONOCYTES
SEE BLOOD CELLS, MONOCYTES

MONONUCLEAR PHAGOCYTE SYSTEM
SEE BLOOD AND RE SYSTEM, RETICULOENDOTHELIAL SYSTEM (GENERAL)

MORBIDITY STATISTICS
SEE POPULATION STUDIES HUMAN, MORBIDITY

MORPHINE RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, ENDORPHIN RECEPTORS

MORPHINES
SEE ALKALOIDS, MORPHINES

MORPHOGENESIS
SEE GROWTH AND DEVELOPMENT, HISTOGENESIS

MORPHOLOGY (GENERAL)
SEE ALSO BODY PHYSICAL CHARACTERISTICS (GENERAL)
SEE ALSO NEUROANATOMY
** P01DE-01697-23 0038 A research program in craniofacial problems - Anatomy of the posterior pharyngeal wall (human)
P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
** R01DE-07332-01 Analysis of utility of implants in craniofacial research
** R01DE-07347-01 Magnetic resonance characteristics of TMJ tissues (humans)
** R23DE-07351-01 Morphological basis of tongue movement and control (mammals)
R23DE-07681-01 Cell growth and bone resorption in periodontal disease (rats, cattle)

MOSAICISM
SEE TISSUE MOSAICISM

MOTHER-CHILD INTERACTION
SEE FAMILY, PARENT-OFFSPRING, MOTHER-CHILD INTERACTION

MOTIVATION
SEE PSYCHOLOGY, MOTIVATION

MOTOR ACTIVITY
SEE PSYCHOMOTOR FUNCTION

MOTOR IMPULSES
SEE PSYCHOMOTOR FUNCTION

MOTOR NEURONS
SEE NEUROMOTOR SYSTEM, MOTOR NEURONS

MOUTH
SEE ORAL-PHARYNGEAL, MOUTH

MOUTH NEOPLASMS
SEE NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES, MOUTH NEOPLASMS

MOUTHWASHES
SEE CONSUMER PRODUCTS, MOUTHWASHES

MOVEMENT PERCEPTION, BODY
SEE SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION

MPD SYNDROME
SEE ORAL-PHARYNGEAL DISORDERS, MPD SYNDROME

MRNA
SEE NUCLEIC ACIDS, MRNA

MS-B
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

MUCIN
SEE PROTEOGLYCANS, MUCIN

MUCINASE
SEE CARBOHYDRASES, HYALURONIDASE

MUCOIDS
SEE PROTEOGLYCANS

MUCOPEPTIDES
SEE PEPTIDOGLYCANS

MUCOPOLYSACCHARIDES
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS

MUCOPROTEINS
SEE PROTEOGLYCANS

MUCOSA, ESOPHAGEAL
SEE ORAL-PHARYNGEAL, MUCOSA

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

(contd)

BEST COPY AVAILABLE

MUCOSA, ORAL-PHARYNGEAL
SEE ORAL-PHARYNGEAL, MUCOSA

MUCOUS MEMBRANE
SEE MEMBRANE, MUCOUS MEMBRANE

MUCOVISCIDOSIS
SEE METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS

MULTIPLE DRUG THERAPY
SEE DRUGS, CHEMOTHERAPY, DRUGS COMBINATION

MULTIPLE SCLEROSIS
SEE NERVOUS DISORDERS, MYELINOPATHIES, MULTIPLE SCLEROSIS

MULTIPLE TREATMENT WITH DRUGS
SEE DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION

MURAMIC ACID
SEE SUGAR ACIDS, MURAMIC ACID

MURAMIDASE
SEE CARBOHYDRASES, LYSOZYME

MUREIN
SEE PEPTIDOGLYCANS

MUSCARINIC AGENTS
SEE NEUROPHARMACOLOGICAL AGENTS, PARASYMPATHOMIMETIC

MUSCARINIC RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, CHOLINERGIC RECEPTORS

MUSCLE, VASCULAR
SEE CARDIOVASCULAR SYSTEM, BLOOD VESSELS, VASCULAR SMOOTH MUSCLE

MUSCLE CELLS
R01DE-07347-01 Magnetic resonance characteristics of TMJ tissues (humans)
R03DE-07556-01 Investigation of PDGF receptors on U20s osteosarcoma cells (tissue culture)

MUSCLE CELLS, MYOBLASTS
R01DE-05905-04 Neural organization of complex muscles (swine)
R01DE-06886-02 Bioactive factors from demineralized adult bone (chick embryo)

MUSCLE CELLS, SARCOMERES
R01DE-04164-08 Functional properties of rabbit jaw muscles (rabbit)
R23DE-06851-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)

MUSCLE CONTRACTION
SEE MUSCLE FUNCTION, MUSCLE CONTRACTION

MUSCLE FUNCTION
P50DE-02668-19 0214 Regional dental research center - Motor control during speech
** R01DE-04164-08 Functional properties of rabbit jaw muscles (rabbit)
** R01DE-05232-07 Musculoskeletal adaptation to increased midfacial height (monkeys)
** R03DE-06813-02 Digastric and lateral pterygoid muscle function
** R23DE-06851-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)
** P01DE-06946-02 0010 Pathophysiology of MPD and other facial pain syndromes - Tendon in normal and fatigued states (rat, human)
P01DE-06946-02 0012 Pathophysiology of MPD and other facial pain syndromes - Effect of fatigue on pH and p02 in rabbit masseter
** R23DE-07351-01 Morphological basis of tongue movement and control (mammals)
** P01DE-07687-04 0005 Regeneration and transplantation of skeletal muscle - Electromyographic monitoring of autograft progress (cat, rat)
** P01DE-07687-04 0008 Regeneration and transplantation of skeletal muscle - Adaptation of autografts to physical conditioning (rat)

MUSCLE FUNCTION, ELECTROMYOGRAPHY*
R01DE-06294-04 Effects of physiological feedback on dental fear (human)
** R23DE-06546-02 Assessment and treatment of mandibular pain-dysfunction (human)
** P01DE-07687-04 0005 Regeneration and transplantation of skeletal muscle - Electromyographic monitoring of autograft progress (cat, rat)

MUSCLE FUNCTION, MUSCLE CONTRACTION
R01DE-05232-07 Musculoskeletal adaptation to increased midfacial height (monkeys)
R01DE-05396-05 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-05558-05 Sensory alterations of craniofacial form (monkeys)
R01DE-05905-04 Neural organization of complex muscles (swine)
** R23DE-06618-02 Properties of motor units in human mandibular muscles
R23DE-06851-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)
P01DE-06946-02 0010 Pathophysiology of MPD and other facial pain syndromes - Tendon in normal and fatigued states (rat, human)
R23DE-07351-01 Morphological basis of tongue movement and control (mammals)

MUSCLE FUNCTION, MUSCLE RELAXATION
SEE ALSO MUSCLE RELAXANTS
R01DE-04494-08 Control of stress during dental procedures (human)

MUSCLE FUNCTION, MUSCLE STRESS
P01DE-06946-02 0012 Pathophysiology of MPD and other facial pain syndromes - Effect of fatigue on pH and p02 in rabbit masseter

MUSCLE FUNCTION, MUSCLE STRETCH REFLEX
SEE ALSO SKELETAL MOVEMENT, POSTURE
R23DE-07351-01 Morphological basis of tongue movement and control (mammals)

MUSCLE FUNCTION, MUSCLE TENSION
R01DE-04164-08 Functional properties of rabbit jaw muscles (rabbit)
R01DE-05989-04 Myofascial pain-dysfunction syndrome and life stress (human)
R01DE-06294-04 Effects of physiological feedback on dental fear (human)
R23DE-06618-02 Properties of motor units in human mandibular muscles
R23DE-06851-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)

MUSCLE METABOLISM
P01DE-06946-02 0015 Pathophysiology of MPD and other facial pain syndromes - Healing of surgical defects in retrodiscal tissue (rabbits)

MUSCLE PROTEINS (AND CONTRACTILE PROTEINS)
** P01DE-07687-04 0006 Regeneration and transplantation of skeletal muscle - Control of protein synthesis in regenerating muscle (rat)

MUSCLE PROTEINS (AND CONTRACTILE PROTEINS), ACTIN
** R23DE-07268-02 Polymorphonuclear leukocyte function in wound healing (rabbits)
** R03DE-07433-01 Periodontosis--A defect in PMN actin polymerization (human)

MUSCLE PROTEINS (AND CONTRACTILE PROTEINS), MYOSIN
SEE ALSO PHOSPHATASES, ADENOSINE TRIPHOSPHATASE
** R23DE-07268-02 Polymorphonuclear leukocyte function in wound healing (rabbits)

MUSCLE RELAXANTS
SEE ALSO CALCIUM, CALCIUM ANTAGONISTS
P01DE-06946-02 0005 Pathophysiology of MPD and other facial pain syndromes - Diazepam, chlorazepate, carisprodol in MPD syndrome chemotherapy (human)

MUSCLE RELAXATION
SEE MUSCLE FUNCTION, MUSCLE RELAXATION

MUSCLE STRESS
SEE MUSCLE FUNCTION, MUSCLE STRESS

MUSCLE STRETCH REFLEX
SEE MUSCLE FUNCTION, MUSCLE STRETCH REFLEX

MUSCLE TENSION
SEE MUSCLE FUNCTION, MUSCLE TENSION

MUSCLE TRANSPLANTATION
M P01DE-07687-04 Regeneration and transplantation of skeletal muscle
** P01DE-07687-04 0003 Regeneration and transplantation of skeletal muscle - Reinnervation of skeletal muscle autografts (rats)
** P01DE-07687-04 0004 Regeneration and transplantation of skeletal muscle - Revascularization of skeletal muscle autografts (hamster, cat, dog, rats)
** P01DE-07687-04 0005 Regeneration and transplantation of skeletal muscle - Electromyographic monitoring of autograft progress (cat, rat)
** P01DE-07687-04 0008 Regeneration and transplantation of skeletal muscle - Adaptation of autografts to physical conditioning (rat)

MUSCLES
SEE ALSO NEUROMOTOR SYSTEM
SEE ALSO SKELETAL SYSTEM, TENDONS
** R01DE-06632-03 Origin and patterning of head muscles, bones and nerves (quail, chick embryos)
** P01DE-07687-04 0001 Regeneration and transplantation of skeletal muscle - Molecular dynamics of synapse formation in regenerating muscle (rats)
** P01DE-07687-04 0002 Regeneration and transplantation of skeletal muscle - Synapse formation in regenerating muscle (rats)
** P01DE-07687-04 0006 Regeneration and transplantation of skeletal muscle - Control of protein synthesis in regenerating muscle (rat)
** P01DE-07687-04 0007 Regeneration and transplantation of skeletal muscle - Hormonal regulation of muscle regeneration (rat)
** P01DE-07687-04 9001 Regeneration and transplantation of skeletal muscle - Morphology core
** P01DE-07687-04 9002 Regeneration and transplantation of skeletal muscle - Physiology core

MUSCLES, EAR MUSCLES, TENSOR TYMPANI
P01DE-01697-23 0035 A research program in craniofacial problems - Non-human primate model of cleft palate and ear disease (monkeys)

MUSCLES, FACIAL MUSCLES
P01DE-03610-19 0018 Craniofacial growth and development - Growth function, and adaptation of the masticatory complex (humans, monkeys)
R01DE-04940-07 Muscular disorders in craniofacial malformations (human)
R01DE-05396-05 Craniofacial adaptations after total maxillary osteotomy (monkeys)
R01DE-06638-02 Complete denture service psychophysiological criteria
** R01DE-06717-01 Jaw movements and masseter activity during chewing (human)
** R23DE-06851-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)
** P01DE-06946-02 0012 Pathophysiology of MPD and other facial pain syndromes - Effect of fatigue on pH and p02 in rabbit masseter

MUSCLES, GASTROCNEMIUS MUSCLE
P01DE-06946-02 0010 Pathophysiology of MPD and other facial pain syndromes - Tendon in normal and fatigued states (rat, human)

MUSCLES, MYOFIBRILS
P50DE-02668-19 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
R01DE-05905-04 Neural organization of complex muscles (swine)
R23DE-06851-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)
P01DE-06946-02 0010 Pathophysiology of MPD and other facial pain syndromes - Tendon in normal and fatigued states (rat, human)

MUSCLES, SMOOTH MUSCLE
SEE ALSO CARDIOVASCULAR SYSTEM, BLOOD VESSELS, VASCULAR SMOOTH MUSCLE
R03DE-07556-01 Investigation of PDGF receptors on U20s osteosarcoma cells (tissue culture)

MUSCLES, STRIATED MUSCLE
R01DE-05558-05 Sensory alterations of craniofacial form (monkeys)
** R03DE-07152-01 Skeletal muscle basal laminae--Biochemical analyses (rats)
M P01DE-07687-04 Regeneration and transplantation of skeletal muscle
** P01DE-07687-04 0003 Regeneration and transplantation of skeletal muscle - Reinnervation of skeletal muscle autografts (rats)
** P01DE-07687-04 0004 Regeneration and transplantation of skeletal muscle - Revascularization of skeletal muscle autografts (hamster, cat, dog, rats)

MUSCULAR DISORDERS
SEE ALSO NEUROMOTOR DISORDERS, NEUROMUSCULAR (GENERAL)
** R01DE-04940-07 Muscular disorders in craniofacial malformations (human)
R01DE-06856-02 Arthrophonometry of the temporomandibular joint (human)

MUSCULAR DISORDERS DIAGNOSIS (INCL EXAMS)*
SEE ALSO MUSCLE FUNCTION, ELECTROMYOGRAPHY*
R23DE-06546-02 Assessment and treatment of mandibular pain-dysfunction (human)
** R03DE-06813-02 Digastric and lateral pterygoid muscle function

MUSCULOSKELETAL SYSTEM (GENERAL)
SEE SKELETAL SYSTEM (GENERAL)

MUTAGEN TESTS
SEE GENETICS, MUTAGENS, MUTAGEN TESTS

MUTAGENS
SEE GENETICS, MUTAGENS

MUTANTS
SEE GENETICS, MUTATION, MUTANTS*

MUTATION
SEE GENETICS, MUTATION

MUTATION, RADIATION INDUCED
SEE GENETICS, RADIATION GENETICS

MYCOSES, MONILIASIS
** R23DE-06524-02 The pathogenesis of chronic oral candidiasis in the rat

MYCOTOXINS
SEE TOXICOLOGY, MYCOTOXINS

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
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MYELOBLASTOSIS VIRUS AVIAN
SEE VIRUSES, RETROVIRIDAE, LEUKOSIS-SARCOMA AVIAN, LEUKOSIS VIRUSES AVIAN

MYELOMA-SPLEEN CELL HYBRIDS
SEE CELL HYBRIDS, HYBRIDOMAS

MYELOPEROXIDASE
SEE PEROXIDASES, MYELOPEROXIDASE

MYELOPROLIFERATIVE DISORDERS (BONE MARROW)
SEE NEOPLASMS OF BLOOD AND RE SYSTEM, BONE MARROW NEOPLASMS, MYELOPROLIFERATIVE

MYELOSIS BONE MARROW
SEE NEOPLASMS OF BLOOD AND RE SYSTEM, BONE MARROW NEOPLASMS, MYELOPROLIFERATIVE

MYOBLASTS
SEE MUSCLE CELLS, MYOBLASTS

MYOCARDIAL INFARCT THERAPEUTIC AGENTS
SEE BLOOD COAGULATION, PLASMINOGEN ACTIVATORS

MYOFASCIAL PAIN-DYSFUNCTION SYNDROME
SEE ORAL-PHARYNGEAL DISORDERS, MPD SYNDROME

MYOFIBRILS
SEE MUSCLES, MYOFIBRILS

MYOGRAPHY, ELECTROMYOGRAPHY
SEE MUSCLE FUNCTION, ELECTROMYOGRAPHY*

MYONEURAL JUNCTION
SEE NEUROMOTOR SYSTEM, NEUROMUSCULAR JUNCTION

MYOSIN
SEE MUSCLE PROTEINS (AND CONTRACTILE PROTEINS), MYOSIN

MYOTACTIC REFLEX
SEE MUSCLE FUNCTION, MUSCLE STRETCH REFLEX

MYRINGOPLASTY
SEE EAR SURGERY, MYRINGOPLASTY

N
SEE NITROGEN

N ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

NA
SEE SODIUM

NAD (H2)
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NAD(H2)

NADP(H2)
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NADP(H2)

NALOXONE
SEE ALKALOIDS, MORPHINES, NALOXONE

NAMED GROUP OF PERSONS
SEE AGE (HUMAN), ADULT
SEE CHILDREN
SEE FAMILY
SEE HOSPITALS PERSONNEL

NAPHTHYLAMINES, PROPRANOLOL
R01DE-06115-02 Protein phosphorylation in parotid gland secretion (rabbits)

NARCOTICS RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, ENDORPHIN RECEPTORS

NASAL, NOSE
SEE ALSO NASAL DISORDERS, NOSE DISORDERS
** P01DE-01697-23 0040 A research program in craniofacial problems - Pattern recognition for reconstruction of nasal capsular anatomy (primates)
R01DE-05396-05 Craniofacial adaptations after total maxillary osteotomy (monkeys)
R01DE-05616-07 Matrix-cell interaction in craniofacial development (chick and quail embryos)
P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
** R01DE-06957-02 Nasal airway and respiratory mode in cleft palate (human)

NASAL, PARANASAL SINUSES
R23DE-06874-02 Effect of intermaxillary fixation on skeletal relapse (monkeys)

NASAL AIRFLOW MEASUREMENTS
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

NASAL DISORDERS, NOSE DISORDERS
** R01DE-06881-03 Oral facial morphology and breathing--Quantitative studies (human)

NASAL DISORDERS, RHINITIS
R01DE-06881-03 Oral facial morphology and breathing--Quantitative studies (human)

NATURAL CYTOTOXICITY (IMMUNITY)
SEE IMMUNITY, CELLULAR, CELL-MEDIATED IMMUNE RESPONSES

NATURAL KILLER CELLS
SEE BLOOD CELLS, LYMPHOCYTES, KILLER CELLS

NATURAL KILLER LYMPHOCYTES
SEE BLOOD CELLS, LYMPHOCYTES, KILLER CELLS

NATURAL PRODUCTS
SEE ANIMALS EXTRACTS
SEE BIOLOGICAL PREPARATIONS AND STANDARDIZATION, NATURAL PRODUCTS PRODUCTION BY GENETIC MANIPULATION

NATURAL PRODUCTS PRODUCED BY GENETIC MANIPULATION
SEE BIOLOGICAL PREPARATIONS AND STANDARDIZATION, NATURAL PRODUCTS PRODUCTION BY GENETIC MANIPULATION

NECK NEOPLASMS
SEE NEOPLASMS OF BODY REGIONS, HEAD AND NECK

NECROCYTOSIS
SEE CELL DEATH

NECROSIS
SEE DISEASES, PATHOLOGIC PROCESSES, NECROSIS

NEGROES
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, BLACK AMERICANS

NEGROID RACE
SEE SOCIAL GROUPS, RACIAL STOCKS, BLACK RACE

NEONATAL
SEE AGE (ANIMAL), INFANTS NEWBORN
SEE CHILDREN, INFANT NEWBORN (BIRTH TO 4-6 WKS)

NEOPLASMS, ADENOCARCINOMA
R03DE-07288-01 Human basement membrane tumors (nude mice, tissue culture)

NEOPLASMS, CANCER COMPLICATIONS OF
** P50DE-07003-02 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)

NEOPLASMS, CANCER COMPLICATIONS OF, INFECTIONS
** R01DE-06516-03 Oral infection in myelosuppressed cancer patients

NEOPLASMS, CARCINOMA
SEE ALSO NEOPLASMS, ADENOCARCINOMA
SEE ALSO NEOPLASMS OF RESPIRATORY SYSTEM, OAT CELL CARCINOMA
R01DE-06977-02 Oral mucosa in vitro (mice, rats, guinea pigs)
R03DE-07001-01 Exogenous arachidonic acid metabolism by oral squamous carcinoma cells (human)
R03DE-07288-01 Human basement membrane tumors (nude mice, tissue culture)

NEOPLASMS, CARCINOMA EPIDERMOID
P50DE-02731-19 0032 Development support for dental research institute - Experimental cytology laboratory (rats)
** R03DE-07001-01 Exogenous arachidonic acid metabolism by oral squamous carcinoma cells (human)
R01DE-07008-03 Herpes virus antibodies in patients with oral cancer

NEOPLASMS, RADIATION INDUCED
R01DE-07713-04 Low-dose x-radiation effects on DMBA-DNA interactions

NEOPLASMS CHARACTERISTICS, CELLULAR LEVEL STUDIES (GENERAL)
R01DE-07713-04 Low-dose x-radiation effects on DMBA-DNA interactions

NEOPLASMS CHARACTERISTICS, MOLECULAR LEVEL STUDIES (GENERAL)
R01DE-07713-04 Low-dose x-radiation effects on DMBA-DNA interactions

NEOPLASMS DIAGNOSIS, IMMUNODIAGNOSIS OF NEOPLASMS
R01DE-07008-03 Herpes virus antibodies in patients with oral cancer

NEOPLASMS IMMUNODIAGNOSIS
SEE NEOPLASMS DIAGNOSIS, IMMUNODIAGNOSIS OF NEOPLASMS

NEOPLASMS IMMUNOLOGY
SEE ALSO NEOPLASMS DIAGNOSIS, IMMUNODIAGNOSIS OF NEOPLASMS
R01DE-07007-02 Multiple factors in the etiology of oral cancer (mice)
R01DE-07008-03 Herpes virus antibodies in patients with oral cancer

NEOPLASMS OF BLOOD AND RE SYSTEM, BONE MARROW NEOPLASMS, MYELOPROLIFERATIVE
R01DE-06105-03 Using fluoride-chlorhexidine to prevent radiation caries (human)
R01DE-06516-03 Oral infection in myelosuppressed cancer patients

NEOPLASMS OF BLOOD AND RE SYSTEM, LEUKEMIA ACUTE
** R01DE-06516-03 Oral infection in myelosuppressed cancer patients
R03DE-06916-01 Oral herpes simplex in immunocompromised patients

NEOPLASMS OF BODY REGIONS, HEAD AND NECK
SEE ALSO NEOPLASMS OF ORAL PHARYNGEAL STRUCTURES
R01DE-03666-09 X-ray therapeutic index for salivary glands (rodents, human)
R01DE-06105-03 Using fluoride-chlorhexidine to prevent radiation caries (human)
R03DE-07001-01 Exogenous arachidonic acid metabolism by oral squamous carcinoma cells (human)
P50DE-07003-02 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)

NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES
R01DE-06409-03 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)
** R03DE-06799-02 Speech prostheses in orofacial cancer patients
R01DE-07086-01 Development of artificial oral mucosa (rabbits)
R03DE-07406-01 Effect of ingested ethyl alcohol on oral epithelium (rat)

NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES, MOUTH NEOPLASMS
** R03DE-07001-01 Exogenous arachidonic acid metabolism by oral squamous carcinoma cells (human)
** R01DE-07007-02 Multiple factors in the etiology of oral cancer (mice)
** R01DE-07008-03 Herpes virus antibodies in patients with oral cancer

NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES, SALIVARY GLAND NEOPLASMS
R01DE-03666-09 X-ray therapeutic index for salivary glands (rodents, human)
R01DE-06105-03 Using fluoride-chlorhexidine to prevent radiation caries (human)
** R01DE-06893-02 Effects of beta-carotene on salivary gland tumors (rats)
R03DE-07288-01 Human basement membrane tumors (nude mice, tissue culture)
R03DE-07386-01 Nicotinamide--A potential inhibitor of carcinogenesis (rats)

NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES, TONGUE NEOPLASMS
R03DE-06799-02 Speech prostheses in orofacial cancer patients

NEOPLASMS OF REPRODUCTIVE SYSTEM, GERM CELL NEOPLASMS
R03DE-07424-01 Bacterial invasion of a basement membrane - like matrix in vitro

NEOPLASMS OF REPRODUCTIVE SYSTEM FEMALE, UTERUS NEOPLASMS, CERVIX NEOPLASMS
R01DE-07008-03 Herpes virus antibodies in patients with oral cancer

NEOPLASMS OF REPRODUCTIVE SYSTEM MALE, TESTIS NEOPLASMS
R03DE-07288-01 Human basement membrane tumors (nude mice, tissue culture)

NEOPLASMS OF RESPIRATORY SYSTEM, OAT CELL CARCINOMA
** R01DE-06516-03 Oral infection in myelosuppressed cancer patients

NEOPLASMS OF SKELETAL SYSTEM, BONE NEOPLASMS
SEE ALSO NEOPLASMS OF SKELETAL SYSTEM, OSTEOGENIC SARCOMA
R01DE-04327-10 Mechanical and electrical effects on osteogenesis (rats)

NEOPLASMS OF SKELETAL SYSTEM, OSTEOGENIC SARCOMA
P50DE-02670-19 0003 Institute of dental research - Macromolecules of mineralized tissues
** R03DE-07556-01 Investigation of PDGF receptors on U20s osteosarcoma cells (tissue culture)

NEOPLASMS OF SKIN
R01DE-06409-03 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)

NEOPLASMS OF URINARY TRACT, KIDNEY NEOPLASMS
R03DE-07288-01 Human basement membrane tumors (nude mice, tissue culture)

NEOPLASMS PREVENTION AND CONTROL
** R01DE-06893-02 Effects of beta-carotene on salivary gland tumors (rats)

(contd)

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M Grant has subprojects describing specific research aspects
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R01DE-07007-02 Multiple factors in the etiology of oral cancer (mice)
** R03DE-07386-01 Nicotinamide--A potential inhibitor of carcinogenesis (rats)

NEOPLASMS RELATED INTEREST, PRENEOPLASTIC CONDITIONS
R03DE-07404-01 Collagen matrices for oral epithelium in vitro (human, rats)

NEOPLASMS SURGERY
R01DE-07086-01 Development of artificial oral mucosa (rabbits)

NEOPLASTIC CELLS
SEE ALSO CELL HYBRIDS, HYBRIDOMAS
SEE ALSO NEOPLASMS CHARACTERISTICS, CELLULAR LEVEL STUDIES (GENERAL)
R03DE-07001-01 Exogenous arachidonic acid metabolism by oral squamous carcinoma cells (human)
R03DE-07278-01 Laminin and immune intervention in periodontal disease
R03DE-07288-01 Human basement membrane tumors (nude mice, tissue culture)
** R03DE-07536-01 Investigation of PDGF receptors on U20s osteosarcoma cells (tissue culture)

NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS, CANCER RISK
** R01DE-07007-02 Multiple factors in the etiology of oral cancer (mice)

NEOPLASTIC THERAPY, ANTINEOPLASTIC AGENTS, ANTILEUKEMIC
R03DE-06916-01 Oral herpes simplex in immunocompromised patients

NEOPLASTIC THERAPY, CANCER CHEMOTHERAPY
** P50DE-02600-19 0034 Support for oral biology research center - Salivary and oral mucosal changes after chemotherapeutic drugs (human)
R01DE-06516-03 Oral infection in myelosuppressed cancer patients
R03DE-06916-01 Oral herpes simplex in immunocompromised patients

NEOPLASTIC THERAPY, CANCER RADIOTHERAPY
SEE ALSO RADIOSENSITIZERS (GENERAL)
** R01DE-03666-09 X-ray therapeutic index for salivary glands (rodents, human)
R01DE-06105-03 Using fluoride-chlorhexidine to prevent radiation caries (human)
** P50DE-07003-02 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)

NEOPLASTIC THERAPY, CARCINOGENESIS INHIBITORS
** R03DE-07386-01 Nicotinamide--A potential inhibitor of carcinogenesis (rats)

NEOPLASTIC THERAPY, NUTRITIONAL THERAPY OF CANCER
R01DE-06893-02 Effects of beta-carotene on salivary gland tumors (rats)

NEOPLASTIC TRANSFORMATION
R01DE-05838-06 Morphogenetic role of glycosaminoglycans (chick embryo)
R01DE-06977-02 Oral mucosa in vitro (mice, rats, guinea pigs)

NEOPLASTIC TRANSFORMATION, CARCINOGENESIS (GENERAL)
R01DE-05395-06 Stem cells in oral mucosa (mice)

NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, CHEMICAL
R01DE-06893-02 Effects of beta-carotene on salivary gland tumors (rats)
R03DE-07386-01 Nicotinamide--A potential inhibitor of carcinogenesis (rats)
R01DE-07713-04 Low-dose x-radiation effects on DMBA-DNA interactions

NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, VIRAL
SEE ALSO GENETICS, GENES, ONCOGENES
P50DE-02623-18 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
P50DE-02668-19 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)
R01DE-06866-02 Deoxyuridine metabolism in herpes labialis (rabbit, human)
R01DE-07008-03 Herpes virus antibodies in patients with oral cancer

NEOPLASTIC TRANSFORMATION, CARCINOGENS, CHEMICAL
R01DE-07713-04 Low-dose x-radiation effects on DMBA-DNA interactions

NEOPLASTIC TRANSFORMATION, CARCINOGENS, COCARCINOGENS
R01DE-07007-02 Multiple factors in the etiology of oral cancer (mice)

NEOPLASTIC TRANSFORMATION, CARCINOGENS, TUMOR PROMOTERS
R01DE-07007-02 Multiple factors in the etiology of oral cancer (mice)

NEOSYNEPHRINE
SEE PHENOLIC AMINES, NEOSYNEPHRINE

NERVE CELLS
SEE NERVOUS SYSTEM, NEURONS

NERVE GROWTH FACTOR
SEE GROWTH FACTORS (INCL ANABOLICS), NERVE GROWTH FACTOR

NERVE IMPULSE FACILITATION
SEE NEUROPHYSIOLOGY, NERVE IMPULSE FACILITATION

NERVE IMPULSE INHIBITION
SEE NEUROPHYSIOLOGY, NERVE IMPULSE INHIBITION

NERVE IMPULSE INITIATION
SEE NEUROPHYSIOLOGY, NERVE IMPULSE INITIATION

NERVE REGENERATION
SEE NERVOUS SYSTEM REGENERATION

NERVE TRANSMISSION
SEE NEUROPHYSIOLOGY, NEURAL TRANSMISSION

NERVE TRANSMITTER SUBSTANCES
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

NERVOUS DISORDERS (GENERAL)
SEE ALSO CONGENITAL ABNORMALITIES, NEUROLOGICAL (GENERAL)
** P50DE-02668-19 020*. Regional dental research center - Psychophysical measures of combined tactile and thermal sensitivity (human)

NERVOUS DISORDERS, MYELINOPATHIES, MULTIPLE SCLEROSIS
R03DE-07410-01 Spatiotemporal mapping of trigeminal evoked potentials (human)

NERVOUS DISORDERS CONGENITAL
SEE CONGENITAL ABNORMALITIES, NEUROLOGICAL (GENERAL)

NERVOUS DISORDERS DIAGNOSIS (INCL EXAMS)*
SEE ALSO BRAIN ELECTRICAL ACTIVITY
SEE ALSO NERVOUS SYSTEM CENTRAL, SPINAL CORD MAPPING
SEE ALSO NEUROMOTOR DISORDERS DIAGNOSIS (INCL EXAMS)*
P50DE-02668-19 0204 Regional dental research center - Psychophysical measures of combined tactile and thermal sensitivity (human)
** R03DE-07440-01 Spatiotemporal mapping of trigeminal evoked potentials (human)

NERVOUS DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA
R01DE-04786-08 Dental and orofacial pain--Brain stem mechanisms (cats)
R01DE-06528-03 Trigeminal primary afferent organization and development (rats)
R01DE-06725-02 Anatomical studies of sensory trigeminal nuclei (rats)
R03DE-07440-01 Spatiotemporal mapping of trigeminal evoked potentials (human)

NERVOUS SYSTEM, AFFERENT NERVES
P01DE-05130-06 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Near and far field evoked potentials and pain reactivity (cats, monkeys)
** R01DE-06528-03 Trigeminal primary afferent organization and development (rats)
R01DE-06725-02 Anatomical studies of sensory trigeminal nuclei (rats)
** R01DE-06943-02 Central projections of MES V afferents (cats)
R01DE-07133-02 Peripheral and central mechanisms of dental pain (monkeys, rats)
R03DE-07282-01 Basal ganglia-trigeminal interactions (cats)

NERVOUS SYSTEM, AFFERENT NERVES, CUTANEOUS SENSORY NERVES
R01DE-04786-08 Dental and orofacial pain--Brain stem mechanisms (cats)
R01DE-06027-04 Kinesthetic mechanisms in the trigeminal system (cats)

NERVOUS SYSTEM, AFFERENT NERVES, SOMATIC AFFERENT NERVES
R01DE-06585-03 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)

NERVOUS SYSTEM, AFFERENT NERVES, VISCERAL AFFERENT NERVES
R01DE-04786-08 Dental and orofacial pain--Brain stem mechanisms (cats)

NERVOUS SYSTEM, CRANIAL NERVES
P50DE-02668-19 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
** R01DE-06632-03 Origin and patterning of head muscles, bones and nerves (quail, chick embryos)

NERVOUS SYSTEM, CRANIAL NERVES, LARYNGEAL NERVES (10)
R01DE-05728-04 Role of chemoreceptors in craniofacial function (lambs)

NERVOUS SYSTEM, CRANIAL NERVES, MANDIBULAR NERVE (5)
R01DE-06027-04 Kinesthetic mechanisms in the trigeminal system (cats)
R01DE-06528-03 Trigeminal primary afferent organization and development (rats)
P01DE-06946-02 0009 Pathophysiology of MPD and other facial pain syndromes - Surgical denervation and the structures of the TMJ

NERVOUS SYSTEM, CRANIAL NERVES, TRIGEMINAL NERVE (5)
SEE ALSO NERVOUS DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA
SEE ALSO NERVOUS SYSTEM, CRANIAL NERVES, MANDIBULAR NERVE (5)
P50DE-02668-19 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
P50DE-02668-19 0197 Regional dental research center - Ultracytochemical and immunocytochemical studies of nerve tissue
R01DE-04166-16 Oral pharyngeal reflexes (cats, human)
R01DE-04786-08 Dental and orofacial pain--Brain stem mechanisms (cats)
P01DE-05130-06 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Near and far field evoked potentials and pain reactivity (cats, monkeys)
R01DE-05159-07 Distribution and ultrastructure of dental innervation (rats, primates, dogs)
** R01DE-05574-05 Neural aspects of craniofacial morphogenesis (frogs)
** R01DE-06027-04 Kinesthetic mechanisms in the trigeminal system (cats)
R23DE-06157-03 Innervation of the tooth (rats)
** R01DE-06665-03 Trigeminal motor fatigue-endurance and tremor studies (human)
R01DE-06717-01 Jaw movements and masseter activity during chewing (human)
R01DE-06725-02 Anatomical studies of sensory trigeminal nuclei (rats)
** R01DE-06943-02 Central projections of MES V afferents (cats)
R01DE-07133-02 Peripheral and central mechanisms of dental pain (monkeys, rats)
** R03DE-07282-01 Basal ganglia-trigeminal interactions (cats)
** R03DE-07440-01 Spatiotemporal mapping of trigeminal evoked potentials (human)
** R01DE-07620-01 Neural aspects of craniofacial morphogenesis (frogs)

NERVOUS SYSTEM, CRANIAL NERVES, VAGUS NERVE (10)
R03DE-06825-02 Central nervous system control of Von Ebner's glands (rats)

NERVOUS SYSTEM, EFFERENT NERVES
SEE ALSO NERVOUS SYSTEM, NEUROEFFECTORS
SEE ALSO NEUROMOTOR SYSTEM
R01DE-06717-01 Jaw movements and masseter activity during chewing (human)

NERVOUS SYSTEM, NERVE ENDINGS, SYNAPSES
R01DE-06193-03 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)
R01DE-06725-02 Anatomical studies of sensory trigeminal nuclei (rats)
R01DE-06904-02 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
R01DE-07133-02 Peripheral and central mechanisms of dental pain (monkeys, rats)
** P01DE-07687-04 0001 Regeneration and transplantation of skeletal muscle - Molecular dynamics of synapse formation in regenerating muscle (rats)
** P01DE-07687-04 0002 Regeneration and transplantation of skeletal muscle - Synapse formation in regenerating muscle (rats)

NERVOUS SYSTEM, NERVES, INNERVATION (GENERAL)
** R01DE-05159-07 Distribution and ultrastructure of dental innervation (rats, primates, dogs)
R01DE-05905-04 Neural organization of complex muscles (swine)
** R23DE-06157-03 Innervation of the tooth (rats)
** R01DE-06528-03 Trigeminal primary afferent organization and development (rats)
R01DE-06585-03 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
R01DE-06904-02 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
** R03DE-07156-01 Regulation of dental innervation by trophic factors
** P01DE-07687-04 0003 Regeneration and transplantation of skeletal muscle - Reinnervation of skeletal muscle autografts (rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

NERVOUS SYSTEM, NEUROEFFECTORS
SEE ALSO NEUROMOTOR SYSTEM, NEUROMUSCULAR JUNCTION
** R01DE-06904-02 Neuroeffector transmission in a simple salivary gland (mice, mollusks)

NERVOUS SYSTEM, NEURONS
SEE ALSO NEUROMOTOR SYSTEM, MOTOR NEURONS
** P50DE-02668 19 0209 Regional dental research center - Static and dynamic properties of S-I neurons in the behaving macaque monkey
R01DE-05728-04 Role of chemoreceptors in craniofacial function (lambs)

NERVOUS SYSTEM, NEURONS, AXONS
R01DE-05159-07 Distribution and ultrastructure of dental innervation (rats, primates, dogs)
R01DE-05404 07 Dental pain--Studies on trigeminal nucleus caudalis (cats)
R01DE-06585-03 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
R01DE-06725-02 Anatomical studies of sensory trigeminal nuclei (rats)

NERVOUS SYSTEM, NEURONS, DENDRITES
R01DE-06725-02 Anatomical studies of sensory trigeminal nuclei (rats)

NERVOUS SYSTEM, PERIPHERAL NERVES (GENERAL)
P50DE-02668 19 0197 Regional dental research center - Ultracytochemical and immunocytochemical studies of nerve tissue
R01DE-05905-04 Neural organization of complex muscles (swine)
R01DE-06027-04 Kinesthetic mechanisms in the trigeminal system (cats)
** R01DE-06585-03 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
** R01DE-07133-02 Peripheral and central mechanisms of dental pain (monkeys, rats)

NERVOUS SYSTEM AUTONOMIC
** R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
P50DE-02668-19 0197 Regional dental research center Ultracytochemical and immunocytochemical studies of nerve tissue
R01DE-04897-05 Functional development of salivary glands (rats)
R01DE-05159-07 Distribution and ultrastructure of dental innervation (rats, primates, dogs)
R01DE-05605-05 The humoral regulation of pulp circulation (rats, dogs)
R01DE-06511-03 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)

NERVOUS SYSTEM AUTONOMIC, PARASYMPATHETIC NERVOUS SYSTEM
SEE ALSO NERVOUS SYSTEM, CRANIAL NERVES, LARYNGEAL NERVES (10)
SEE ALSO NERVOUS SYSTEM, CRANIAL NERVES, VAGUS NERVE (10)
SEE ALSO NEUROTRANSMITTERS RECEPTORS, CHOLINERGIC RECEPTORS
P50DE-02668-19 0197 Regional dental research center - Ultracytochemical and immunocytochemical studies of nerve tissue
R01DE-06185-02 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-06913-03 Modulating role of prostaglandins in salivary glands (rats)

NERVOUS SYSTEM AUTONOMIC, SYMPATHETIC GANGLIA
R01DE-05159-07 Distribution and ultrastructure of dental innervation (rats, primates, dogs)

NERVOUS SYSTEM AUTONOMIC, SYMPATHETIC NERVOUS SYSTEM
SEE ALSO NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS
P50DE-02668-19 0197 Regional dental research center - Ultracytochemical and immunocytochemical studies of nerve tissue
R01DE-05369-07 Factors affecting dental postoperative pain (human)
R23DE-06157-03 Innervation of the tooth (rats)
** R01DE-06185-02 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-06511-03 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)
R01DE-06585-03 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
R01DE-06913-03 Modulating role of prostaglandins in salivary glands (rats)

NERVOUS SYSTEM CENTRAL
SEE ALSO BRAIN
R01DE-04166-16 Oral pharyngeal reflexes (cats, human)
R01DE-06528-03 Trigeminal primary afferent organization and development (rats)
R01DE-06682-03 CNS modulation of orofacial input (rats, cats)
** R03DE-06825-02 Central nervous system control of Von Ebner's glands (rats)
R01DE-06943-02 Central projections of MES V afferents (cats)
** R01DE-07133-02 Peripheral and central mechanisms of dental pain (monkeys, rats)

NERVOUS SYSTEM CENTRAL, MENINGES, DURA MATER
R23DE-06909-03 Experimentally induced premature craniosynostosis (rabbits)

NERVOUS SYSTEM CENTRAL, SPINAL CORD, DORSAL ROOT
R23DE-06157-03 Innervation of the tooth (rats)

NERVOUS SYSTEM CENTRAL, SPINAL CORD MAPPING
** R03DE-07440-01 Spatiotemporal mapping of trigeminal evoked potentials (human)

NERVOUS SYSTEM DEVELOPMENT
SEE NEUROLOGY, DEVELOPMENTAL

NERVOUS SYSTEM DISORDERS
SEE NERVOUS DISORDERS (GENERAL)

NERVOUS SYSTEM REGENERATION
R01DE-05905-04 Neural organization of complex muscles (swine)
** P01DE-07687-04 0001 Regeneration and transplantation of skeletal muscle - Molecular dynamics of synapse formation in regenerating muscle (rats)
** P01DE-07687-04 0003 Regeneration and transplantation of skeletal muscle - Reinnervation of skeletal muscle autografts (rats)

NETWORKS, SOCIAL
SEE SOCIAL SUPPORT NETWORKS

NEURAL CONTROL (MECHANISMS)
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

NEURAL ENCODING (MECHANISMS)
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

NEURAL PROCESSING AND CONTROL
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

NEURAL TRANSMISSION
SEE NEUROPHYSIOLOGY, NEURAL TRANSMISSION

NEURAL TRANSMITTERS, BIOGENIC AMINES
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

NEURAL TUBE AND PLATE DEFECTS
SEE CONGENITAL ABNORMALITIES, FUSION FAILURES
SEE CONGENITAL ABNORMALITIES, NEUROLOGICAL (GENERAL)

NEURAMINIDASE
SEE CARBOHYDRASES, NEURAMINIDASE

NEUROANATOMY
SEE ALSO NERVOUS SYSTEM CENTRAL, SPINAL CORD MAPPING
R01DE-04166-16 Oral pharyngeal reflexes (cats, human)
R01DE-05404-07 Dental pain--Studies on trigeminal nucleus caudalis (cats)
** R01DE-06682-03 CNS modulation of orofacial input (rats, cats)
** R01DE-06725-02 Anatomical studies of sensory trigeminal nuclei (rats)
R01DE-06943-02 Central projections of MES V afferents (cats)

NEUROCHEMISTRY
R01DE-04786-08 Dental and orofacial pain--Brain stem mechanisms (cats)
R01DE-06904-02 Neuroeffector transmission in a simple salivary gland (mice, mollusks)

NEUROEFFECTORS
SEE NERVOUS SYSTEM, NEUROEFFECTORS

NEUROGENESIS
SEE NEUROLOGY, DEVELOPMENTAL, NEUROGENESIS

NEUROHUMORS (GENERAL)
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

NEUROJUICE
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

NEUROLEPTICS
SEE PSYCHOPHARMACOLOGICAL AGENTS, TRANQUILIZERS

NEUROLOGIC EXAMINATIONS
SEE NERVOUS DISORDERS DIAGNOSIS (INCL EXAMS)*

NEUROLOGIC MANIFESTATIONS, HEADACHE
P01DE-06946-02 0007 Pathophysiology of MPD and other facial pain syndromes - Incidence of TMJ clicking in preothodontic patients

NEUROLOGICAL DISEASES
SEE NERVOUS DISORDERS (GENERAL)

NEUROLOGICAL DISORDERS PROGRAM PROJECT REVIEW B COMMITTEE
M P01DE-07687-04 Regeneration and transplantation of skeletal muscle

NEUROLOGICAL SCIENCES STUDY SECTION
** R01DE-05369-07 Factors affecting dental postoperative pain (human)
** R01DE-05404 07 Dental pain--Studies on trigeminal nucleus caudalis (cats)
** R01DE-06894 01 Nitrous oxide and endorphins (rats)
** R01DE-06904-02 Neuroeffector transmission in a simple salivary gland (mice, mollusks)

NEUROLOGY, DEVELOPMENTAL
SEE ALSO CHILD MENTAL DEVELOPMENT
SEE ALSO CONGENITAL ABNORMALITIES, NEUROLOGICAL (GENERAL)
** R01DE-05616-07 Matrix-cell interaction in craniofacial development (chick and quail embryos)
** R23DE-06243-03 The extracellular matrix in neural crest formation (mice, chick, rat)

NEUROLOGY, DEVELOPMENTAL, NEUROGENESIS
SEE ALSO NERVOUS SYSTEM REGENERATION
** R01DE-04316-09 Environmental control of neural crest development (mouse, chick embryos)
R01DE-06632-03 Origin and patterning of head muscles, bones and nerves (quail, chick embryos)

NEUROLOGY B STUDY SECTION
** R01DE-06193-03 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)
** R01DE-06665-03 Trigeminal motor fatigue-endurance and tremor studies (human)
** R01DE-06682-03 CNS modulation of orofacial input (rats, cats)
** R01DE-06943-02 Central projections of MES V afferents (cats)

NEUROMODULATORS
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

NEUROMOTOR DISORDERS, CONVULSIONS
SEE ALSO NEUROMOTOR DISORDERS, SPASM
SEE ALSO NEUROPHARMACOLOGICAL AGENTS, ANTICONVULSANTS
R03DE-07307-01 University of Mississippi dental care unit--Field testing

NEUROMOTOR DISORDERS, NEUROMUSCULAR (GENERAL)
R01DE-04166-16 Oral pharyngeal reflexes (cats, human)
** R01DE-04940-07 Muscular disorders in craniofacial malformations (human)
R01DE-06665-03 Trigeminal motor fatigue-endurance and tremor studies (human)

NEUROMOTOR DISORDERS, PARALYSIS, PARAPLEGIA
R03DE-07307-01 University of Mississippi dental care unit--Field testing

NEUROMOTOR DISORDERS, SPASM
SEE ALSO NERVOUS DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA
SEE ALSO NEUROMOTOR DISORDERS, CONVULSIONS
P01DE-06946-02 0012 Pathophysiology of MPD and other facial pain syndromes - Effect of fatigue on pH and pO2 in rabbit masseter

NEUROMOTOR DISORDERS, TREMOR
** R01DE-06665-03 Trigeminal motor fatigue-endurance and tremor studies (human)

NEUROMOTOR DISORDERS DIAGNOSIS (INCL EXAMS)*
P50DE-02731-19 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
R01DE-06665-03 Trigeminal motor fatigue-endurance and tremor studies (human)

NEUROMOTOR EXAMINATIONS
SEE NEUROMOTOR DISORDERS DIAGNOSIS (INCL EXAMS)*

NEUROMOTOR SYSTEM
SEE ALSO MUSCLE FUNCTION, MUSCLE STRETCH REFLEX
SEE ALSO PSYCHOMOTOR FUNCTION
** R23DE-06618-02 Properties of motor units in human mandibular muscles

NEUROMOTOR SYSTEM, MOTOR NEURONS
R01DE-04166-16 Oral pharyngeal reflexes (cats, human)
R01DE-06193-03 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)
R01DE-06665-03 Trigeminal motor fatigue-endurance and tremor studies (human)
** R01DE-06717-01 Jaw movements and masseter activity during chewing (human)
R03DE-06825-02 Central nervous system control of Von Ebner's glands (rats)
** R03DE-07282-01 Basal ganglia-trigeminal interactions (cats)

NEUROMOTOR SYSTEM, NEUROMUSCULAR ASPECTS (GENERAL)
** P50DE-02668-19 0214 Regional dental research center - Motor control during speech

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to service subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

** P01DE-03610-19 0018 Craniofacial growth and development - Growth function, and adaptation of the masticatory complex (humans, monkeys)
R01DE-05558-05 Sensory alterations of craniofacial form (monkeys)
** R01DE-05905-04 Neural organization of complex muscles (swine)
** R23DE-06618-02 Properties of motor units in human mandibular muscles
** R23DE-07351-01 Morphological basis of tongue movement and control (mammals)
P01DE-07687-04 0001 Regeneration and transplantation of skeletal muscle - Molecular dynamics of synapse formation in regenerating muscle (rats)
P01DE-07687-04 0002 Regeneration and transplantation of skeletal muscle - Synapse formation in regenerating muscle (rats)

NEUROMOTOR SYSTEM, NEUROMUSCULAR JUNCTION
R01DE-04164-08 Functional properties of rabbit jaw muscles (rabbit)
** R03DE-07152-01 Skeletal muscle basal laminae--Biochemical analyses (rats)

NEUROMOTOR SYSTEM, SENSORIMOTOR SYSTEMS (GENERAL)
** R01DE-05558-05 Sensory alterations of craniofacial form (monkeys)
** R23DE-06554-03 Organization of cortical tooth representations (monkeys)
R03DE-07282-01 Basal ganglia-trigeminal interactions (cats)
** R23DE-07695-01 Organization of cortical tooth representations (monkeys)

NEUROMUSCULAR ASPECTS
SEE NEUROMOTOR SYSTEM, NEUROMUSCULAR ASPECTS (GENERAL)

NEUROMUSCULAR DISORDERS
SEE NEUROMOTOR DISORDERS, NEUROMUSCULAR (GENERAL)

NEUROMUSCULAR JUNCTION
SEE NEUROMOTOR SYSTEM, NEUROMUSCULAR JUNCTION

NEUROMUSCULAR SYSTEM
SEE NEUROMOTOR SYSTEM, NEUROMUSCULAR ASPECTS (GENERAL)

NEURONS
SEE NERVOUS SYSTEM, NEURONS

NEUROPATHOLOGY
SEE NERVOUS DISORDERS (GENERAL)

NEUROPEPTIDES
SEE NEUROTRANSMITTERS AND NEUROMODULATORS, PEPTIDES

NEUROPHARMACOLOGICAL AGENTS, ANALGESICS
** R01DE-05369-07 Factors affecting dental postoperative pain (human)
R23DE-06546-02 Assessment and treatment of mandibular pain-dysfunction (human)
** R01DE-06894-01 Nitrous oxide and endorphins (rats)
** R03DE-07012-02 Therapeutic regimens for dental surgery

NEUROPHARMACOLOGICAL AGENTS, ANTICONVULSANTS
P50DE-02668-19 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
R01DE-06216-03 Gene-environment interactions in cleft lip mice (monkeys)
** R03DE-06272-02 Oxygen and sodium valproate induced craniofacial defects (mice)
R01DE-06541-03 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)
** R01DE-06671-03 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)
** R03DE-07297-01 Mechanism of action of phenytoin (human, rats)

NEUROPHARMACOLOGICAL AGENTS, PARASYMPATHOMIMETIC
SEE ALSO CHOLINE, ACETYLCHOLINE
SEE ALSO IMIDAZOLES, HISTAMINE
SEE ALSO NEUROTRANSMITTERS RECEPTORS, CHOLINERGIC RECEPTORS
R01DE-05249-06 Salivary secretion - role of calcium (mice)
R01DE-06373-03 Saliva formation studied by microprobe analysis (rats)
R01DE-07341-01 Second messenger function in exocrine glands (rats)

NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC
SEE ALSO BENZOPYRROLES, SEROTONIN
SEE ALSO NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS
SEE ALSO PHENYLALKYLAMINES, CATECHOLAMINES
SEE ALSO PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE
R01DE-05249-06 Salivary secretion - role of calcium (mice)

NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC, ADRENERGIC ALPHA
R01DE-06373-03 Saliva formation studied by microprobe analysis (rats)
R01DE-07341-01 Second messenger function in exocrine glands (rats)

NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC, ADRENERGIC BETA
R01DE-06373-03 Saliva formation studied by microprobe analysis (rats)
P01DE-06991-02 Plasma membranes and secretory granules in secretion (rats, rabbits)
R01DE-07341-01 Second messenger function in exocrine glands (rats)

NEUROPHARMACOLOGY
P01DE-05130-06 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Near and far field evoked potentials and pain reactivity (cats, monkeys)
** P01DE-06682-03 CNS modulation of orofacial input (rats, cats)
** R01DE-06894-01 Nitrous oxide and endorphins (rats)
** R01DE-06904-02 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
R03DE-07282-01 Basal ganglia-trigeminal interactions (cats)

NEUROPHYSIOLOGY (GENERAL)
SEE ALSO BRAIN ELECTRICAL ACTIVITY
SEE ALSO ELECTROPHYSIOLOGY
SEE ALSO INFORMATION PROCESSING AND CONTROL (NEURAL)
** P50DE-02668-19 0210 Regional dental research center - Somesthetic capacities of human subjects (monkeys)
R01DE-05728-04 Role of chemoreceptors in craniofacial function (lambs)
R23DE-06554-03 Organization of cortical tooth representations (monkeys)
R01DE-06943-02 Central projections of MES V afferents (cats)
P01DE-07687-04 0005 Regeneration and transplantation of skeletal muscle - Electromyographic monitoring of autograft progress (cat, rat)
** P01DE-07687-04 9002 Regeneration and transplantation of skeletal muscle - Physiology core
R23DE-07695-01 Organization of cortical tooth representations (monkeys)

NEUROPHYSIOLOGY, NERVE IMPULSE FACILITATION
P50DE-02668-19 0209 Regional dental research center - Static and dynamic properties of S-I neurons in the behaving macaque monkey

NEUROPHYSIOLOGY, NERVE IMPULSE INHIBITION
P50DE-02668-19 0209 Regional dental research center - Static and dynamic properties of S-I neurons in the behaving macaque monkey
R01DE-06193-03 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)

NEUROPHYSIOLOGY, NERVE IMPULSE INITIATION
P50DE-02668-19 0209 Regional dental research center - Static and dynamic properties of S-I neurons in the behaving macaque monkey
R01DE-06193-03 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)

NEUROPHYSIOLOGY, NEURAL TRANSMISSION
SEE ALSO ELECTROPOTENTIALS, ACTION POTENTIALS
SEE ALSO ELECTROPOTENTIALS, EVOKED POTENTIALS
P01DE-05130-06 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Near and far field evoked potentials and pain reactivity (cats, monkeys)
R01DE-06775-02 Anatomical studies of sensory trigeminal nuclei (rats)
** R01DE-06904-02 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
R01DE-06913-03 Modulating role of prostaglandins in salivary glands (rats)

NEUROPHYSIOLOGY, NEURAL TRANSMISSION, ANTIDROMIC IMPULSES
R01DE-04786-08 Dental and orofacial pain--Brain stem mechanisms (cats)
R01DE-05404-07 Dental pain--Studies on trigeminal nucleus caudalis (cats)

NEUROPHYSIOLOGY, NEUROPLASTICITY
R01DE-04786-08 Dental and orofacial pain--Brain stem mechanisms (cats)
P01DE-07687-04 0001 Regeneration and transplantation of skeletal muscle - Molecular dynamics of synapse formation in regenerating muscle (rats)

NEUROPHYSIOLOGY, REFLEX
SEE ALSO MUSCLE FUNCTION, MUSCLE STRETCH REFLEX
** R01DE-04166-16 Oral pharyngeal reflexes (cats, human)

NEUROPHYSIOLOGY, REFLEX, SOMATIC REFLEXES
** P50DE-02668-19 0209 Regional dental research center - Static and dynamic properties of S-I neurons in the behaving macaque monkey

NEUROPLASTICITY
SEE NEUROPHYSIOLOGY, NEUROPLASTICITY

NEUROPSYCHOLOGY (GENERAL)
SEE PSYCHOLOGY, NEUROPSYCHOLOGY (GENERAL)

NEUROREGULATORS
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

NEUROSURGERY, DENERVATION (GENERAL)
** P01DE-06946-02 0009 Pathophysiology of MPD and other facial pain syndromes - Surgical denervation and the structures of the TMJ

NEUROTENSIN
SEE PITUITARY-DIENCEPHALON HORMONES, NEUROTENSIN

NEUROTRANSMISSION
SEE NEUROPHYSIOLOGY, NEURAL TRANSMISSION

NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)
SEE ALSO AMINO ACIDS, GAMMA-AMINOBUTYRIC ACID
SEE ALSO AMINO ACIDS, GLYCINE
SEE ALSO BENZOPYRROLES, SEROTONIN
SEE ALSO CHOLINE, ACETYLCHOLINE
SEE ALSO DICARBOXYLIC AMINO ACIDS, ASPARTIC ACID
SEE ALSO IMIDAZOLES, HISTAMINE
SEE ALSO PEPTIDES, ENKEPHALIN
SEE ALSO PEPTIDES, SUBSTANCE P
SEE ALSO PEPTIDES, VASOACTIVE PEPTIDES, VASOACTIVE INTESTINAL POLYPEPTIDE
SEE ALSO PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE
R01DE-04897-05 Functional development of salivary glands (rats)
** R01DE-06904-02 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
R01DE-06913-03 Modulating role of prostaglandins in salivary glands (rats)
R23DE-07389-01 VIP receptors and submandibular gland function (rats)

NEUROTRANSMITTERS AND NEUROMODULATORS, PEPTIDES
** R01DE-06894-01 Nitrous oxide and endorphins (rats)

NEUROTRANSMITTERS RECEPTORS
** R01DE-05764-06 Cellular pharmacology of salivary secretion (rats, ducks)

NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS
** R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
R01DE-06185-02 Sympathectomized salivary glands--Cystic fibrosis model (rats)

NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS, ALPHA RECEPTORS
R01DE-04897-05 Functional development of salivary glands (rats)
R01DE-05764-06 Cellular pharmacology of salivary secretion (rats, ducks)

NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS, BETA RECEPTORS
R01DE-04897-05 Functional development of salivary glands (rats)
** R01DE-05550-05 Differentiation during craniofacial embryogenesis (mice)
R01DE-05764-06 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06000-05 Effect of parotid function on saliva and cells (rats)
R01DE-06076-03 Pathobiology of oral mucosa (rabbits)
R01DE-06115-02 Protein phosphorylation in parotid gland secretion (rabbits)

NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS, DOPAMINERGIC RECEPTORS
R01DE-02110-21 Study of salivary gland structure and function (mice, rats)

NEUROTRANSMITTERS RECEPTORS, CHOLINERGIC RECEPTORS
R01DE-04897-05 Functional development of salivary glands (rats)
R01DE-05764-06 Cellular pharmacology of salivary secretion (rats, ducks)
** R03DE-07152-01 Skeletal muscle basal laminae--Biochemical analyses (rats)

NEUROTRANSMITTERS RECEPTORS, ENDORPHIN RECEPTORS
R01DE-06900-01 Immunology of oral herpes simplex viral infections (human)

NEUTROPHIL CHEMOTACTIC FACTOR (NIF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, CHEMOTACTIC FACTORS

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

BEST COPY AVAILABLE

NEUTROPHIL LEUKOCYTES
SEE BLOOD CELLS, LEUKOCYTES, NEUTROPHILS

NEUTROPHIL-MEDIATED CYTOTOXICITY
SEE IMMUNITY, CELLULAR, CELL-MEDIATED IMMUNE RESPONSES

NEWBORN
SEE CHILDREN, INFANT NEWBORN (BIRTH TO 4 WKS)

NEWBORN INFANT ANIMALS
SEE AGE (ANIMAL), INFANTS NEWBORN

NI
SEE METALS, HEAVY METALS, NICKEL (COMPOUNDS)

NIACINAMIDE
SEE VITAMINS, NIACINS, NICOTINAMIDE

NICKEL (COMPOUNDS)
SEE METALS, HEAVY METALS, NICKEL (COMPOUNDS)

NICOTINAMIDE
SEE VITAMINS, NIACINS, NICOTINAMIDE

NICOTINAMIDE ADENINE DINUCLEOTIDE PHOSPHATE (REDUCED)
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NADP(H2)

NICOTINAMIDE ADENINE DINUCLEOTIDE (REDUCED)
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NAD(H2)

NICOTINIC ACID
SEE VITAMINS, NIACINS, NICOTINIC ACID

NICOTINIC ACID AMIDE
SEE VITAMINS, NIACINS, NICOTINAMIDE

NICOTINIC RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, CHOLINERGIC RECEPTORS

NITROGEN
R01DE-06765-02 Ion transport through the maturation stage enamel organ (cows, rats)

NITROUS ACID
R01DE-05129-08 Improvement of preventive and restorative materials (monkeys)

NITROUS OXIDE
** R01DE-06894-01 Nitrous oxide and endorphins (rats)
** R01DE-07011-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
** R03DE-07157-01 Studies on nitrous oxide teratogenesis (rats)
** R01DE-07696-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

NK-CELLS
SEE BLOOD CELLS, LYMPHOCYTES, KILLER CELLS

NMR IMAGING
SEE OPTICS, NMR IMAGING

NONINSULIN-DEPENDENT DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, NONINSULIN-DEPENDENT DIABETES

NON-INVASIVE DIAGNOSIS (DIAGNOSTIC TECHNIQUES)
SEE DIAGNOSTIC TESTS, NON-INVASIVE*

NON-MAMMALIAN EMBRYOLOGY
SEE EMBRYOLOGY, NON-MAMMALIAN EMBRYOLOGY

NORADRENALINE
SEE PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE

NOREPINEPHRINE
SEE PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE

NORMORPHINE
SEE ALKALOIDS, MORPHINES

NOSE
SEE NASAL, NOSE

NOSE DISORDERS
SEE NASAL DISORDERS, NOSE DISORDERS

NUCLEAR MAGNETIC RESONANCE IMAGING
SEE OPTICS, NMR IMAGING

NUCLEASES, CYCLIC NUCLEOTIDE PHOSPHODIESTERASE
R01DE-07341-01 Second messenger function in exocrine glands (rats)

NUCLEASES, ENDONUCLEASES (GENERAL)
R03DE-06814-02 Transposon mutagenesis of the oral streptococci
R03DE-07418-01 Dentinogenesis imperfecta--Chromosome mapping

NUCLEASES, REPAIR NUCLEASES
SEE ALSO NUCLEOTIDYLTRANSFERASES, DNA NUCLEOTIDYLTRANSFERASES
R03DE-07386-01 Nicotinamide--A potential inhibitor of carcinogenesis (rats)

NUCLEIC ACID-AMINO ACID COMPLEXES (PEPTIDE SYNTHESIS)
SEE AMINO ACYL TRNA

NUCLEIC ACID STRUCTURE
SEE NUCLEIC ACIDS STRUCTURE

NUCLEIC ACIDS, COMPLEMENTARY DNA
P01DE-02838-15 0010 Biology of connective tissue, bones and teeth - Enamel gene expression during vertebrate tooth development (animals)
R01DE-04970-07 Nuclear composition and organization for odontogenesis (rats)
R01DE-06852-02 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
R03DE-07418-01 Dentinogenesis imperfecta--Chromosome mapping

NUCLEIC ACIDS, DNA
SEE ALSO NUCLEIC ACIDS SYNTHESIS, DNA
P50DE-02600-19 0023 Support for oral biology research center - Regulation of antibody response (mice)
P50DE-02623-18 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
P50DE-02668-19 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
P50DE-02670-19 0040 Institute of dental research - Streptococcus mutans strains common to mother and child (mammals)
** P50DE-02731-19 0019 Development support for dental research institute - Molecular biology laboratory
R01DE-02774-17 Tissue interaction in palatal shelf closure (mice)
R01DE-04225-11 Studies on the genetics of oral microflora (rats)
R01DE-04511-10 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-05395-06 Stem cells in oral mucosa (mice)
R01DE-06000-05 Effect of parotid function on saliva and cells (rats)
R03DE-07146-01 Biochemistry of Streptococcus mutans ribosomes (rabbits)
R03DE-07556-01 Investigation of PDGF receptors on U20s osteosarcoma cells (tissue culture)

NUCLEIC ACIDS, DNA BACTERIAL
R01DE-05144-06 Periodontal disease--Role of spirochetes (rabbits)
R01DE-07126-02 Molecular taxonomy of non-hemolytic streptococci

NUCLEIC ACIDS, DNA PROBE
** P50DE-07118-01 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection
R03DE-07123-01 Role of cytomegalovirus in Sjogren's syndrome
R01DE-07126-02 Molecular taxonomy of non-hemolytic streptococci

NUCLEIC ACIDS, DNA VIRAL
SEE ALSO GENETICS, GENES, ONCOGENES
R01DE-06866-02 Deoxyuridine metabolism in herpes labialis (rabbit, human)

NUCLEIC ACIDS, RNA
SEE ALSO NUCLEIC ACIDS SYNTHESIS, RNA
P50DE-02600-19 0023 Support for oral biology research center - Regulation of antibody response (mice)
P50DE-02623-18 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
R01DE-06000-05 Effect of parotid function on saliva and cells (rats)
R03DE-07146-01 Biochemistry of Streptococcus mutans ribosomes (rabbits)

NUCLEIC ACIDS, MRNA
SEE ALSO GENETICS, BIOCHEMICAL GENETICS, GENETIC CODING
R01DE-01374-25 Matrix component interactions in bone and dentin (rabbits, rats, mice)
P50DE-02600-19 0023 Support for oral biology research center - Regulation of antibody response (mice)
P01DE-02848-15 0010 Biology of connective tissue, bones, and teeth - Enamel gene expression during vertebrate tooth development (animals)
R01DE-03301-15 Connective tissues of the periodontium (human, dog)
R01DE-04960-07 Mechanisms of salivary gland development (mice, rabbits, rats)
R01DE-04970-07 Nuclear composition and organization for odontogenesis (rats)
R01DE-06624-03 OAF synthesis in periodontal disease (human)
R01DE-06852-02 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
R01DE-06970-02 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R01DE-07341-01 Second messenger function in exocrine glands (rats)
R23DE-07710-01 New targets for anti-herpes simplex virus chemotherapy (rabbits)

NUCLEIC ACIDS, SYNTHETIC NUCLEIC ACIDS, HYBRID NUCLEIC ACIDS
SEE ALSO NUCLEIC ACIDS, COMPLEMENTARY DNA
SEE ALSO NUCLEIC ACIDS, DNA PROBE
R01DE-07970-02 Nuclear composition and organization for odontogenesis (rats)
R01DE-06988-01 Determination and expression of amelogenin gene products (mice)
R03DE-07418-01 Dentinogenesis imperfecta--Chromosome mapping

NUCLEIC ACIDS CLONING
SEE GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING

NUCLEIC ACIDS METABOLISM
SEE ALSO NUCLEIC ACIDS REPAIR
SEE ALSO NUCLEOTIDES METABOLISM
R01DE-04008-11 Cellular and developmental control of calcification (chick embryo)

NUCLEIC ACIDS REPAIR
R01DE-04511-10 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-06622-02 Molecular mechanisms of periodontal disease
R23DE-07710-01 New targets for anti-herpes simplex virus chemotherapy (rabbits)

NUCLEIC ACIDS STRUCTURE
R01DE-05144-06 Periodontal disease--Role of spirochetes (rabbits)

NUCLEIC ACIDS STRUCTURE, NUCLEOSIDES (TIDES) SEQUENCE
R01DE-03605-16 Morphogenesis of bacteriophage Phi-29
R01DE-03656-21 Genetic polymorphisms of saliva (human mice)
R01DE-04970-07 Nuclear composition and organization for odontogenesis (rats)
R01DE-06852-02 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
R01DE-06970-02 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
P50DE-07003-02 0003 Rochester caries research center - Genetics of Streptococcus mutans
R03DE-07318-01 Genetics of streptococcus sanguis (rats)
R01DE-07378-01 Human osteoclast activating factor (mice, rats)

NUCLEIC ACIDS SYNTHESIS, DNA
SEE ALSO GENETICS, CHROMOSOMES, CHROMOSOME REPLICATION
SEE ALSO NUCLEIC ACIDS REPAIR
SEE ALSO NUCLEOTIDYLTRANSFERASES, DNA NUCLEOTIDYLTRANSFERASES
** R01DE-03605-16 Morphogenesis of bacteriophage Phi-29
R01DE-04327-10 Mechanical and electrical effects on osteogenesis (rats)
R01DE-04970-07 Nuclear composition and organization for odontogenesis (rats)
R01DE-06553-03 Arachidonate metabolism and orofacial development (mice)
R03DE-06940-01 Comparisons of microvessels and osteoblasts in vitro
R23DE-07006-01 Synthesis of a craniofacial wound healing factor (human)
R23DE-07559-01 Synthesis of a craniofacial wound healing factor (human)
** R01DE-07713-04 Low-dose x-radiation effects on DMBA-DNA interactions

NUCLEIC ACIDS SYNTHESIS, RNA
SEE ALSO GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSCRIPTION
R23DE-07391-01 Insulin and protein synthesis in the rat gland

NUCLEOBASES
R01DE-05144-06 Periodontal disease--Role of spirochetes (rabbits)

NUCLEOPHILIC SUBSTITUTION
SEE CHEMICAL REACTIONS, SUBSTITUTION, NUCLEOPHILIC

NUCLEOSIDE MONOPHOSPHATES CYCLIC
SEE NUCLEOTIDES, NUCLEOSIDE MONOPHOSPHATES CYCLIC

NUCLEOSIDE PHOSPHATES ANALOGS
SEE NUCLEOTIDES ANALOGS, NUCLEOSIDE PHOSPHATES ANALOGS

NUCLEOSIDE TRIPHOSPHATE DNA NUCLEOTIDYLTRANSFERASE
SEE NUCLEOTIDYLTRANSFERASES, DNA NUCLEOTIDYLTRANSFERASES

NUCLEOSIDES (TIDES) SEQUENCE
SEE NUCLEIC ACIDS STRUCTURE, NUCLEOSIDES (TIDES) SEQUENCE

NUCLEOTIDES
SEE ALSO PYRIDINE NUCLEOTIDES
R03DE-07051-01 HPLC analysis of purine nucleosides in crevicular fluid

NUCLEOTIDES, DEOXYRIBONUCLEOSIDE TRIPHOSPHATES
** R01DE-06866-02 Deoxyuridine metabolism in herpes labialis (rabbit, human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

NUCLEOTIDES, NUCLEOSIDE MONOPHOSPHATES CYCLIC
SEE ALSO PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, AMP CYCLIC
SEE ALSO PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES, GMP CYCLIC
R01DE-04327-10 Mechanical and electrical effects on osteogenesis (rats)
P50DE-05139-08 0003 Clinical research center for periodontal disease - Human genetics section
R01DE-05494-06 Activation of macrophages in periodontal disease (mice)
R01DE-05764-06 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06028-02 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R01DE-06397-03 Biochemical aspects of orofacial development
** R23DE-07107-02 Cyclic nucleotides and prostaglandins in cleft palate (mice)
** R01DE-07341-01 Second messenger function in exocrine glands (rats)

NUCLEOTIDES, RIBONUCLEOTIDES
P50DE-02623-18 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus

NUCLEOTIDES ANALOGS, NUCLEOSIDE PHOSPHATES ANALOGS
R01DE-06866-02 Deoxyuridine metabolism in herpes labialis (rabbit, human)

NUCLEOTIDES METABOLISM
** R01DE-04387-09 Effect of fluoride on cAMP and glucose metabolism (rats)
** R01DE-06866-02 Deoxyuridine metabolism in herpes labialis (rabbit, human)

NUCLEOTIDYL-CYCLASES, ADENYLATE CYCLASE
R01DE-04008-11 Cellular and developmental control of calcification (chick embryo)
** R01DE-05550-05 Differentiation during craniofacial embryogenesis (mice)
R01DE-05978-03 Lipid nutrition, membrane fluidity and enzymes (rats)
R01DE-06076-03 Pathobiology of oral mucosa (rabbits)
R01DE-07341-01 Second messenger function in exocrine glands (rats)

NUCLEOTIDYL-CYCLASES, GUANYLATE CYCLASE
R01DE-07341-01 Second messenger function in exocrine glands (rats)

NUCLEOTIDYLTRANSFERASES, DNA NUCLEOTIDYLTRANSFERASES
R01DE-06128-02 Synthesis-testing of a herpesvirus antiviral agent

NULL (NUL) LYMPHOCYTES
SEE BLOOD CELLS, LYMPHOCYTES, KILLER CELLS

NURSING HOMES
SEE HEALTH CARE FACILITIES, NURSING HOMES

NUTRIENT INTAKE ACTIVITY, FEEDING (EATING) BEHAVIOR
RG3DE-07143-01 Sounds of normal and impaired swallow (humans)

NUTRIENT INTAKE DISORDERS, BULIMIA
** R03DE-07024-02 Oral signs and symptoms in bulimic patients

NUTRIENTS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
R01DE-05628-06 Interaction between fluoride and other dietary minerals (rats)
R03DE-07412-01 Effect of zinc on intestinal absorption of calcium (human)

NUTRITION, DEVELOPMENTAL NUTRITION
SEE ALSO NUTRITION, MATERNAL-FETAL NUTRITION
** R01DE-05628-06 Interaction between fluoride and other dietary minerals (rats)
** R03DE-07156-01 Regulation of dental innervation by trophic factors

NUTRITION, DIET
R01DE-02342-14 Normal and altered oral mucosa (rats)
P50DE-02670-19 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
** R13DE-07614-01 Consensus conference-Methods for cariogenic potential of food

NUTRITION, DIET PATHOGENIC
R01DE-05628-06 Interaction between fluoride and other dietary minerals (rats)

NUTRITION, DIET THERAPEUTIC
SEE ALSO NUTRITIONAL DISORDERS CHEMOTHERAPY
SEE ALSO NUTRITIONAL REQUIREMENTS, DIETARY SUPPLEMENTS
R03DE-07024-02 Oral signs and symptoms in bulimic patients

NUTRITION, DIET THERAPEUTIC, VITAMIN THERAPY (ALL ROUTES OF ADMINISTRATION)
R01DE-06893-02 Effects of beta-carotene on salivary gland tumors (rats)
R23DE-07113-02 Isolation and characterization of osteoclasts (chicks)

NUTRITION, DIETARY CONSTITUENTS (GENERAL)
SEE ALSO GASTROINTESTINAL FUNCTION, ABSORPTION, TRANSPORT, DIETARY NUTRIENTS
** P01DE-01850-22 0071 Nutritional sources and metabolic roles of fluoride - Daily dietary fluoride intake of children and young adults
** P01DE-01850-22 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
P01DE-02847-17 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
R01DE-04387-09 Effect of fluoride on cAMP and glucose metabolism (rats)
R01DE-06000-05 Effect of parotid function on saliva and cells (rats)
R01DE-06216-03 Gene-environment interactions in cleft lip mice (monkeys)
R01DE-06519-01 Dental amalgams contribution to blood mercury levels
R01DE-06953-02 Hydroxyproline levels in periodontal health and disease (dogs)
R23DE-07182-01 Tooth wear and tooth use in Cercopithecus aethiops (green monkeys)
** R01DE-07375-01 Dietary factors and root caries in animals (hamsters)
** R03DE-07386-01 Nicotinamide--A potential inhibitor of carcinogenesis (rats)
R13DE-07614-01 Consensus conference-Methods for cariogenic potential of food
** N01DE-22438-08 Relationship of dietary intake to caries incidence (human)
N01DE-22439-05 Cost of combined sealant and self-applied fluoride program

NUTRITION, DIETARY CONSTITUENTS, DIETARY CALCIUM
** P01DE-01850-22 0091 Nutritional sources and metabolic roles of fluoride - Metabolic changes in repletion of bone and effect of fluoride intake (rats)
R01DE-04724-07 Cellular events in bone remodeling (rats, mice, chickens)
R01DE-06007-03 Periodontal tissue changes during pregnancy-lactation (rats)
R01DE-07375-01 Dietary factors and root caries in animals (hamsters)
R03DE-07412-01 Effect of zinc on intestinal absorption of calcium (human)
N01DE-22438-08 Relationship of dietary intake to caries incidence (human)

NUTRITION, DIETARY CONSTITUENTS, DIETARY CARBOHYDRATES
P50DE-02670-19 0020 Institute of dental research - Effects of trace elements on tooth development and caries
R01DE-06424-01 Development of oral tissues after early undernutrition (human)
P50DE-07009-02 0001 Specialized caries research centers - Clinical studies of root caries (human)
R01DE-07130-01 Epidemiology of oral disease in Hispanic Americans
R01DE-07375-01 Dietary factors and root caries in animals (hamsters)
R23DE-07388-01 Ca-ion-mediated intraoral demineralization by S mutans (human)
R03DE-07405-01 Model for root caries following alveolar bone loss
N01DE-22438-08 Relationship of dietary intake to caries incidence (human)
N01DE-42557-02 Prevent maternal transmission of streptococcus mutans (humans)

NUTRITION, DIETARY CONSTITUENTS, DIETARY IRON
R01DE-05628-06 Interaction between fluoride and other dietary minerals (rats)
N01DE-22438-08 Relationship of dietary intake to caries incidence (human)

NUTRITION, DIETARY CONSTITUENTS, DIETARY LIPIDS
** R01DE-05978-03 Lipid nutrition, membrane fluidity and enzymes (rats)
N01DE-22438-08 Relationship of dietary intake to caries incidence (human)

NUTRITION, DIETARY CONSTITUENTS, DIETARY LIPIDS, ESSENTIAL FATTY ACIDS
R01DE-05978-03 Lipid nutrition, membrane fluidity and enzymes (rats)

NUTRITION, DIETARY CONSTITUENTS, DIETARY POTASSIUM
N01DE-22438-08 Relationship of dietary intake to caries incidence (human)

NUTRITION, DIETARY CONSTITUENTS, DIETARY PROTEINS
R01DE-07375-01 Dietary factors and root caries in animals (hamsters)
N01DE-22438-08 Relationship of dietary intake to caries incidence (human)

NUTRITION, DIETARY CONSTITUENTS, DIETARY SALTS
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY POTASSIUM
N01DE-22438-08 Relationship of dietary intake to caries incidence (human)

NUTRITION, DIETARY CONSTITUENTS, DIETARY TRACE ELEMENTS AND MINERALS
SEE ALSO METALS, HEAVY METALS, CADMIUM (COMPOUNDS)
SEE ALSO METALS, HEAVY METALS, CHROMIUM (COMPOUNDS)
SEE ALSO METALS, HEAVY METALS, COBALT (COMPOUNDS)
SEE ALSO METALS, HEAVY METALS, COPPER (COMPOUNDS)
SEE ALSO METALS, HEAVY METALS, MANGANESE (COMPOUNDS)
SEE ALSO METALS, HEAVY METALS, MOLYBDENUM (COMPOUNDS)
SEE ALSO METALS, HEAVY METALS, ZINC (COMPOUNDS)
SEE ALSO METALS, METALLOIDS, SELENIUM (COMPOUNDS)
P01DE-01850-22 0071 Nutritional sources and metabolic roles of fluoride - Daily dietary fluoride intake of children and young adults
** P50DE-02670-19 0020 Institute of dental research - Effects of trace elements on tooth development and caries
** R01DE-05628-06 Interaction between fluoride and other dietary minerals (rats)
R01DE-06425-02 Nutritional studies of tooth development in vitro (mice, rats)
R01DE-06569-04 Quantitation of enamel demineralization mechanisms
R01DE-07375-01 Dietary factors and root caries in animals (hamsters)
R03DF-07406-01 Effect of ingested ethyl alcohol on oral epithelium (rat)
R03DE-07412-01 Effect of zinc on intestinal absorption of calcium (human)
N01DE-22438-08 Relationship of dietary intake to caries incidence (human)

NUTRITION, MATERNAL-FETAL NUTRITION
** R01DE-05628-06 Interaction between fluoride and other dietary minerals (rats)

NUTRITION STUDY SECTION
** R01DE-05528-06 Interaction between fluoride and other dietary minerals (rats)

NUTRITION THERAPY (CANCER AND PRENEOPLASTIC CONDITIONS)
SEE NEOPLASTIC THERAPY, NUTRITIONAL THERAPY OF CANCER

NUTRITION THERAPY (NUTRITIONAL DISORDERS)
SEE NUTRITIONAL DISORDERS CHEMOTHERAPY

NUTRITIONAL ABNORMALITIES
SEE ALSO METAL DISORDERS AND IMBALANCES, MAGNESIUM DEFICIENCY
** P01DE-06916-02 0015 Pathophysiology of MPD and other facial pain syndromes - Healing of surgical defects in retrodiscal tissue (rabbits)

NUTRITIONAL ABNORMALITIES, HYPERVITAMINOSIS
** P50DE-02668-19 0004 Regional dental research center - Hypervitaminosis D in lactating (rats)

NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS C
SEE ALSO VITAMINS, VITAMIN C (GENERAL)
R03DE-07130-01 Epidemiology of oral disease in Hispanic Americans

NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS D
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM, RICKETS
R01DE-05613-06 Bone resorption in periodontal disease (human, rats, mice)
R23DE-07113-02 Isolation and characterization of osteoclasts (chicks)

NUTRITIONAL ABNORMALITIES, MALNUTRITION (GENERAL)
SEE ALSO NUTRITION, DIET PATHOGENIC
P50DE-02670-19 0020 Institute of dental research - Effects of trace elements on tooth development and caries
R01DE-06076-03 Pathobiology of oral mucosa (rabbits)
** R01DE-06424-01 Development of oral tissues after early undernutrition (human)
N01DE-22438-08 Relationship of dietary intake to caries incidence (human)

NUTRITIONAL DISORDERS CHEMOTHERAPY
SEE ALSO NUTRITION, DIET THERAPEUTIC
SEE ALSO NUTRITION, DIET THERAPEUTIC, VITAMIN THERAPY (ALL ROUTES OF ADMINISTRATION)
R23DE-07113-02 Isolation and characterization of osteoclasts (chicks)

cont.

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See Appendix for investigator's name and Grant number

NUTRITIONAL REQUIREMENTS
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY LIPIDS, ESSENTIAL FATTY ACIDS
P01DE-01850-22 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
R01DE-05144-06 Periodontal disease--Role of spirochetes (rabbits)

NUTRITIONAL REQUIREMENTS, DIETARY SUPPLEMENTS
R01DE-05628-06 Interaction between fluoride and other dietary minerals (rats)
R01DE-06216-03 Gene-environment interactions in cleft lip mice (monkeys)
** R03DE-07412-01 Effect of zinc on intestinal absorption of calcium (human)
N01DE-22438-08 Relationship of dietary intake to caries incidence (human)

NUTRITIONAL THERAPY (CANCER AND PRENEOPLASTIC CONDITIONS)
SEE NEOPLASTIC THERAPY, NUTRITIONAL THERAPY OF CANCER

NUTRITIONAL THERAPY (NUTRITIONAL DISORDERS)
SEE NUTRITIONAL DISORDERS CHEMOTHERAPY

NYSTATIN
SEE ANTIBIOTICS, NYSTATIN

O
SEE RESPIRATORY GASES, OXYGEN

OAF (LYMPHOKINES)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, OSTEOCLAST ACTIVATING FACTOR

OAT CELL CARCINOMA
SEE NEOPLASMS, OF RESPIRATORY SYSTEM, OAT CELL CARCINOMA

OCCUPATIONAL DISEASES
SEE OCCUPATIONAL HEALTH, OCCUPATIONAL DISEASES

OCCUPATIONAL HAZARDS
SEE OCCUPATIONAL HEALTH, OCCUPATIONAL HAZARDS

OCCUPATIONAL HEALTH, OCCUPATIONAL DISEASES
SEE ALSO OCCUPATIONAL HEALTH, OCCUPATIONAL HAZARDS
R01DE-07011-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
R03DE-07157-01 Studies on nitrous oxide teratogenesis (rats)
R01DE-07696-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

OCCUPATIONAL HEALTH, OCCUPATIONAL HAZARDS
R01DE-07011-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
R03DE-07157-01 Studies on nitrous oxide teratogenesis (rats)
R03DE-07301-01 Congenital effects of low mercury and lead exposure (human)
R01DE-07696-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

OCCUPATIONAL PSYCHOLOGY
SEE PSYCHOLOGY, OCCUPATIONAL

OCCUPATIONS, JOB PERFORMANCE
** R01DE-05497-04 Dental disease and work loss (human)
** R03DE-06522-03 Schooling and work setting: Effects on dental hygienists

OCCUPATIONS, JOB SATISFACTION
** R03DE-06522-03 Schooling and work setting: Effects on dental hygienists

9,12,15-OCTADECATRIENOIC ACID
SEE FATTY ACIDS, UNSATURATED, LINOLENIC ACID

ODONTOBLASTS
SEE DENTAL STRUCTURE, ODONTOBLASTS

OFFSPRING-MOTHER INTERACTION
SEE FAMILY, PARENT-OFFSPRING, MOTHER-CHILD INTERACTION

OINTMENTS
SEE DOSAGE FORMS

OKMI LYMPHOCYTES
SEE BLOOD CELLS, LYMPHOCYTES, KILLER CELLS

OLD AGE
SEE AGE (HUMAN), ADULT, OLD AGE (65 TO 99 YRS)

OLD AGE HEALTH SERVICES
SEE HEALTH CARE SERVICES FOR THE ELDERLY

OLIGOSACCHARIDES
R01DE-04321-11 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-04971-07 Salivary mucins and dental diseases (human)
R01DE-06892-02 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
R23DE-06945-03 Identification of microbial lectins (rabbits)
R01DE-06970-02 Regulation of mucin glycoprotein biosynthesis (rats, rabbits)
R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)

ONCOGENES
SEE GENETICS, GENES, ONCOGENES

ONTOGENY
SEE GROWTH AND DEVELOPMENT
SEE PREGNANCY, EMBRYO-FETUS

OPERATING ROOMS
SEE HOSPITALS, OPERATING ROOMS

OPHTHALMOLOGY
SEE EYE

OPIATE-LIKE PEPTIDES
SEE PEPTIDES, ENKEPHALIN
SEE PITUITARY-DIENCEPHALON HORMONES, ENDORPHINS

OPIATE RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, ENDORPHIN RECEPTORS

OPSONINS
SEE IMMUNOLOGY, ANTIBODIES, OPSONINS

OPTICAL DENSITY
SEE PHYSICAL PROPERTIES, DENSITOMETRY*

OPTICAL POLARIZATION*
** P50DE-02731-19 0037 Development support for dental research institute - Surface science laboratory

OPTICS, BIREFRINGENCE*
P01DE-06946-02 0010 Pathophysiology of MPD and other facial pain syndromes - Tendon in normal and fatigued states (rat, human)

OPTICS, FIBER OPTICS*
** R43DE-07528-01 Immuno-diagnostic probe for periodontitis

OPTICS, IMAGE ENHANCEMENT*
P01DE-06946-02 0004 Pathophysiology of MPD and other facial pain syndromes - Xeroradiographic tomography of the temporomandibular joint

OPTICS, IMAGE PROCESSING ANALYSIS AND DISPLAY*
** R01DE-06379-03 Dental xeroradiography--Clinical investigaiton
** R43DE-06778-01 Videodisc and computer technology in malocclusion
R03DE-01319-02 Intermicroscopic correlation of remineralization

OPTICS, LIGHT EMISSION, FLUORESCENCE*
SEE ALSO DYES, FLUORESCENT DYES AND PROBES
R03DE-07121-01 Acid production in craniofacial osteoclasts (mice)

OPTICS, LIGHT EMISSION, LUMINESCENCE*
** P50DE-02731-19 0037 Development support for dental research institute - Surface science laboratory

OPTICS, LIGHT SCATTERING*
R01DE-05423-06 Diffuse reflectance by esthetic dental materials

OPTICS, MICROSCOPY (GENERAL)*
** R03DE-07399-01 Ultramicro analysis of plaque samples from single sites

OPTICS, MICROSCOPY, ELECTRON*
R03DE-06940-01 Comparisons of microvessels and osteoblasts in vitro

OPTICS, MICROSCOPY, PHASE*
** N01DE-12433-05 Phase contrast evaluation of subgingival plaque

OPTICS, NMR IMAGING
** R01DE-07247-01 Magnetic resonance characteristics of TMJ tissues (humans)

ORAL AIRFLOW MEASUREMENT
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

ORAL BEHAVIOR
SEE DENTISTRY, BRUXISM

ORAL BIOLOGY AND MEDICINE STUDY SECTION
** R01DE-01376-25 Matrix component interactions in bone and dentin (rabbits, rats, mice)
** R01DE-01568-24 Host factors in caries resistance (human, bacteria)
** R01DE-01912-22 Tooth enamel apatite at the atomic level (human)
** R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
** R01DE-02320-20 Clinical behavior of dental restorative materials (human)
** R01DE-02340-14 Normal and altered oral mucosa (rats)
** R01DE-01774-17 Tissue interaction in palatal shelf closure (mice)
** R01DE-02930-17 Relationship of microstructure to behavior of amalgam
** R01DE-03160-15 Microbiologic studies of the human oral streptococci (also rabbits)
** R01DE-03187-14 Transport in enamel and solubility of enamel (human)
** R01DE-03223-15 Kinetics of mineralization of teeth (human)
** R01DE-03258-14 Cloning of streptococcus mutans genes (human, rabbits)
** R01DE-03420-13 Immune phenomena in experimental periodontal disease (rats)
** R01DE-03487-14 Inhibition of human cariogenic streptococci
** R01DE-03488-14 Microbial composition of developing dental plaque (human, bacteria)
** R01DE-03598-10 Dentofacial effects of forces to retract the maxilla (human)
** R01DE-03601-12 Effect of corrosion on dental amalgams
** R01DE-03666-09 X-ray therapeutic index for salivary glands (rodents, human)
** R01DE-03739-13 Glycosyltransferases from oral bacteria
** R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
** R01DE-03758-11 Virulence and competition against streptococcus mutans (hamsters, mice, rats)
** R01DE-03915-12 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
** R01DE-03917-10 Fluoride and the metabolism of plaque bacteria
** R01DE-03953-11 Force systems from orthodontic appliances
** R01DE-03987-11 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
** R01DE-03995-11 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
** R01DE-04136-11 Maxillofacial materials--Color study (human)
** R01DE-04141-11 Mechanism of hard tissue mineralization (human, rats)
** R01DE-04164-08 Functional properties of rabbit jaw muscles (rabbit)
** R01DE-04166-16 Oral pharyngeal reflexes (cats, human)
** R01DE-04217-11 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
** R01DE-04230-10 Comparative ultrastructure of mammalian amelogenesis (rats)
** R01DE-04235-09 Peroxidase in saliva and prevention of oral disease (human, S mutants)
** R01DE-04321-11 Cell adherence of dental plaque forming streptococci (rabbits)
** R01DE-04345-10 Cell biology of osteoclasts (chickens)
** R01DE-04387-09 Effect of fluoride on cAMP and glucose metabolism (rats)
** R01DE-04486-08 Kinetics and mechanisms of action of fluorides (human)
** R01DE-04511-10 Stability of differentiation: Craniofacial study (mice, human, hamsters)
** R01DE-04518-09 Streptococcus sanguis receptors for salivary glycoproteins
** R01DE-04529-09 Replacement therapy of dental caries (rats)
** R01DE-04531-08 Strain in the facial bones (monkeys)
** R01DE-04614-09 Adherence of oral streptococci to hydroxyapatite
** R01DE-04705-06 Reactions of titanium fluoride with hydroxyapatite
** R01DE-04724-07 Cellular events in bone remodeling (rats, mice, chickens)
** R01DE-04733-08 Secretory immune response and S mutans glucosyltransferase (mammals)
** R01DE-04749-06 F-releasing and acid barrier-polymer caries therapies
** R01DE-04814-06 Clinical evaluation of PNF permanent soft denture liners
** R01DE-04883-06 Nature of alloy systems for crown and bridge restorations (human)
** R01DE-04897-05 Functional development of salivary glands (rats)
** R01DE-04940-07 Muscular disorders in craniofacial malformations (human)
** R01DE-04967-07 Mechanisms of salivary gland development (mice, rabbits, rats)
** R01DE-04971-07 Salivary mucins and dental diseases (human)
** R01DE-05030-07 Crystal chemistry of calcium phosphates (human, rats)
** R01DE-05051-07 Periodontal disease: Microbiological studies (human)
** R01DE-05067-07 Interaction of topical fluoride with human enamel (rats, hamsters)
** R01DE-05094-07 Proteins involved in dentinogenesis
** R01DE-05129-07 Distribution and ultrastructure of dental innervation (rats, primates, dogs)
** R01DE-05180-07 Regulation of surface synthesis in Streptococcus mutans
** R01DE-05215-07 Influences on stability following orthognathic surgery (human)
** R01DE-05233-07 Musculoskeletal adaptation to increased vertical height (monkeys)
** R01DE-05251-06 Salivary gland secretory mechanisms (rats)
** R01DE-05263-06 Measurements of enamel permeability as related to caries (human)
** R01DE-05266-06 Mineralization in oral biology (mice, rats)
** R01DE-05284-07 Uptake and binding by early enamel matrix (rats)
** R01DE-05321-06 Titanium alloys in dentistry
** R01DE-05323-04 Calcium ion interactions in developing dental tissues (rats)
** R01DE-05334-05 Periodontal therapy by controlled local drug delivery (human)
** R01DE-05379-05 Morphogenesis and maturation of craniofacial sutures (animals)

(cont)

*Excludes routine methodology OR covers only general projects which preclude indexing of the specific work
**Awarded significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

** R01DE-05395-06 Stem cells in oral mucosa (mice)
** R01DE-05396-05 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-05410-06 Orthodontic treatment effects on craniofacial growth (human)
** R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)
** R01DE-05418-06 In vivo forces on endosseous dental implants (dogs)
** R01DE-05423-06 Diffuse reflectance by esthetic dental materials
** R01DE-05460-05 Bonding of dental porcelain to non-precious alloys
** R01DE-05494-06 Activation of macrophages in periodontal disease (mice)
** R01DE-05501-04 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
** R01DE-05519-06 Oxidation behavior of Ni-base crown and bridge alloys
** R01DE-05550-05 Differentiation during craniofacial embryogenesis (mice)
** R01DE-05558-05 Sensory alterations of craniofacial form (monkeys)
** R01DE-05574-05 Neural aspects of craniofacial morphogenesis (frogs)
** R01DE-05586-05 Cell surface studies of the enamel organ (mice)
** R01DE-05605-05 The humoral regulation of pulp circulation (rats, dogs)
** R01DE-05626-05 Role of complement in periodontal disease
** R01DE-05632-05 Develc, ent of salivary gland secretory function (rats)
** R01DE-05640-05 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
** R01DE-05666-05 Biochemistry of salivary lipids (rats, human)
** R01DE-05690-04 Localization of the procollagens in dental tissues (rats, mice, rabbits)
** R01DE-05728-04 Role of chemoreceptors in craniofacial function (lambs)
** R01DE-05738-05 Mastication, food transport, and swallowing in primates (cats, monkeys)
** R01DE-05761-06 Improved dental instruments and materials
** R01DE-05769-07 Ultrastructure of tooth development (rats)
** R01DE-05817-05 Cellular mechanisms of collagen breakdown (human, animals)
** R01DE-05839-03 In vivo vs in vitro cement solubilty--Correlative study
** R01DE-05905-04 Neural organization of complex muscles (swine)
** R01DE-05932-05 The role of lipoproteins in microbial calcification
** R01DE-05945-04 Physicochemical modifications of dental restoratives
** R01DE-05978-03 Lipid nutrition, membrane fluidity and enzymes (rats)
** R01DE-05980-02 Stress analysis of mandibular partial dentures
** R01DE-05990-02 Periodontitis, leukocyte function and diabetic status (human)
** R01DE-05991-05 Mechanisms of virulence of oral periodontopathogens (human, rabbits, mice)
** R01DE-05996-04 Alveolar bone metabolism during tooth eruption (dogs)
** R01DE-06000-05 Effect of parotid function on saliva and cells (rats)
** R01DE-06007-03 Periodontal tissue changes during pregnancy-lactation (rats)
** R01DE-06014-04 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
** R01DE-06027-04 Kinesthetic mechanisms in the trigeminal system (cats)
** R01DE-06028-02 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
** R01DE-06030-04 Metronidazole therapy in periodontal disease (human)
** R01DE-06039-03 Properties of lipoteichoic acids from cariogenic bacteria
** R01DE-06051-04 Membranes of the dental pathogen Streptococcus mutans (rabbits)
** R01DE-06063-05 The role of lymphoid cells in alveolar bone resorption (rats)
** R23DE-06066-03 Orally induced suppression in periodontal disease (rabbits, rats)
** R01DE-06076-03 Pathobiology of oral mucosa (rabbits)
** R01DE-06082-03 Genetic analysis of streptococcus mutans cariogenicity
** R23DE-06091-03 Primary human cells--A model for material testing (tissue culture)
** R01DE-06103-03 Evaluation of four modalities of periodontal therapy
** R01DE-06105-03 Using fluoride-chlorhexidine to prevent radiation caries (human)
** R01DE-06112-05 Filled sealant as a conservative restorative material (human)
** R01DE-06113-05 Determinants of fluoride in the oral environment (dogs, rats)
** R01DE-06115-02 Protein phosphorylation in parotid gland secretion (rabbits)
** R23DE-06118-03 Acquired defects of the jaw joint (TMJ)--A model system (chickens, rabbits)
** R01DE-06127-03 Acid-base physiology of oral streptococci
** R01DE-06153-04 Antibody to glucosyltransferase in adults and children
** R23DE-06157-03 Innervation of the tooth (rats)
** R01DE-06165-03 Cell biology of periodontal ligament fibroblast
** R01DE-06170-03 Radiopaque restorative and prosthetic dental resins
** R01DE-06175-03 Beta-lactamases produced by periodontal bacteria
** R01DE-06179-03 Radiopaque restorative and prosthetic dental resins
** R01DE-06185-02 Sympathectomized salivary glands--Cystic fibrosis model (rats)
** R01DE-06201-01 Water sorption of glassy dental polymers
** R01DE-06216-03 Gene-environment interactions in cleft lip mice (monkeys)
** R01DE-06231-03 Monoclonal antibody analysis of plaque microorganisms (mice)
** R01DE-06250-03 Histologic evaluation of new attachments in humans
** R01DE-06300-03 porous polyethylene and porous polysulfone tooth roots (monkeys)
** R01DE-06373-03 Saliva formation studied by microprobe analysis (rats)
** R01DE-06374-04 Semi- and nonprecious metal-porcelain systems
** R01DE-06379-03 Dental xeroradiography--Clinical investigaiton
** R01DE-06395-03 Molecular basis of the ecology of oral streptococci
** R01DE-06397-03 Biochemical aspects of orofacial development
** R01DE-06402-03 Root caries--An in vitro model system
** R01DE-06409-03 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)
** R01DE-06418-03 Laboratory and clinical studies of dental fluorosis
** R01DE-06424-01 Development of oral tissues after early undernutrition (human)
** R01DE-06425-02 Nutritional studies of tooth development in vitro (mice, rats)
** R01DE-06427-04 Permeability characteristics of dentin (dogs, human)
** R01DE-06429-04 Influence of acid-base status on fluoride metabolism (mammals)
** R01DE-06436-04 Periodontosis--Characterization of the neutrophil defect (human)
** R01DE-06511-03 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)
** R01DE-06516-03 Oral infection in n. losuppressed cancer patients
** R01DE-06519-01 Dental amalgams cor tribution to blood mercury levels
** R23DE-06522-03 Schooling and work setting--Effects on dental hygienists
** R23DE-06524-02 The pathogenesis of chronic oral candidiasis in the rat
** R01DE-06528-03 Trigeminal primary afferent organization and development (rats)
** R01DE-06533-03 Vesicles and endochondral bone formation (chickens)
** R01DE-06539-03 Breakdown of amalgam margins--A microstructural study
** R01DE-06541-03 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)
** R01DE-06551-02 Stress, host factors, and acute necrotizing gingivitis (human)
** R01DE-06574-04 Hydroxyapatite remineralization--The role of fluoride
** R01DE-06553-03 Arachidonate metabolism and orofacial development (mice)
** R23DE-06554-03 Organization of cortical tooth representations (monkeys)
** R01DE-06555-03 Cell surface interactions of oral plaque bacteria (rabbits)
** R01DE-06556-03 Oral epithelium structural proteins (rabbits)
** R01DE-06557-02 Effects of barium on human enamel and dental caries (rats)
** R01DE-06563-03 Microstructure vs deterioration of amalgam restorations
** R01DE-06564-04 Remineralization of enamel caries in vitro (human)
** R01DE-06569-04 Quantitation of enamel demineralization mechanisms
** R01DE-06585-03 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
** R23DE-06618-02 Properties of motor units in human mandibular muscles
** R01DE-06672-02 Molecular mechanisms of periodontal disease
** R01DE-06[illegible]-03 DAF synthesis in periodontal disease (human)
** R01DE-06632-03 Origin and patterning of head muscles, bones and nerves (quail, chick embryo)
** R01DE-06634-02 Cytokinesine in craniofacial composite tissue allografts (human, mammals)
** R01DE-06638-02 Complete denture service-psychophysiological criteria
** R23DE-06640-03 Neutrophil defects induced by oral bacterial products
** R01DE-06643-03 Role of IgA and PMNs in defense of periodontal tissues (mice, rabbits, rats)
** R01DE-06644-03 Physiology of oral bacteria--Sugar, PH and F relations
** R01DE-06656-03 Promoting adherence to a dental regimen
** R01DE-06671-03 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)
** R01DE-06672-03 Optimization of metal-ceramic restoration design
** R01DE-06717-01 Jaw movements and masseter activity during chewing (human)
** R01DE-06720-02 Resistance of various restorative materials
** R01DE-06725-02 Anatomical studies of sensory trigeminal nuclei (rats)
** R01DE-06730-02 Dental implant surfaces impeding epithelial migration (rats)
** R01DE-06738-02 Fluoride effect on human tooth root caries (rats)
** R23DE-06739-02 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
** R01DE-06744-02 Adherence of oral bacteria to cell surface components (humans, rabbits)
** R01DE-06746-02 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
** R01DE-06748-02 Synthesis and function of polymers in oral bacteria (rats)
** R23DE-06757-02 Myeloperoxidase selective killing of oral bacteria (rabbits)
** R01DE-06761-02 Prevention of surface zone limited caries of enamel
** R01DE-06762-02 Development of an advanced artificial oral environment
** R01DE-06765-02 Ion transport through the maturation stage enamel organ (cows, rats)
** R23DE-06766-02 Surgical regeneration of the periodontium (dogs)
** R43DE-06778-01 Videodisc and computer technology in malocclusion
** R01DE-06801-03 Mutants to study S mutans pathogenicity (mammals)
** R23DE-06829-03 Acid-etching and remineralization of enamel caries in vitro
** R23DE-06832-02 Experimental diabetes and periodontitis (monkeys)
** R23DE-06849-03 Identification of intraoral mucosal wound hyaluronidase (rabbits)
** R23DE-06851-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)
** R01DE-06852-02 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
** R01DE-06854-02 Steroid hormone receptors in developing teeth (rats)
** R01DE-06856-02 Arthrophonometry of the temporomandibular joint (human)
** R01DE-06860-02 Complement monocyte interactions in periodontal disease
** R23DE-06874-02 Effect of intermaxillary fixation on skeletal relapse (monkeys)
** R01DE-06880-02 Host defense mechanism to oral bacteria (mice, rabbits, human)
** R01DE-06881-03 Oral facial morphology and breathing--Quantitative studies (human)
** R01DE-06886-02 Bioactive factors from demineralized adult bone (chick embryo)
** R01DE-06892-02 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
** R01DE-06893-02 Effects of beta-carotene on salivary gland tumors (rats)
** R23DE-06896-02 Nonenzymatic reactions in human dentin proteins
** R01DE-06904-02 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
** R23DE-06909-03 Experimentally induced premature craniosynostosis (rabbits)
** R01DE-06913-03 Modulating role of prostaglandins in salivary glands (rats)
** R23DE-06945-03 Identification of microbial lectins (rabbits)
** R01DE-06949-01 In vitro bone resorption by products of oral bacteria (animals)
** R01DE-06955-02 Study of F actions on human root surface caries
** R01DE-06962-01 Enamel secretory matrix protease (cattle, rats)
** R01DE-06963-02 Hydroxyproline levels in periodontal health and disease (dog)
** R01DE-06967-01 Structural studies of matrix proteins in teeth and bone
** R01DE-06985-02 Epidermal growth factor and tooth development (mice)
** R01DE-06987-02 Nasal airway and respiratory mode in cleft palate (human)
** R01DE-06982-02 Surface protein antigens of cariogenic streptococci
** R01DE-06970-02 Regulation of mucin glycoprotein biosynthesis (rats, rabbits)
** R01DE-06977-02 Oral mucosa in vitro (mice, rats, guinea pig)
** R23DE-06982-02 Biomechanical influences on condylar cartilage growth (rats)
** R23DE-06987-01 Study of surfactant use in restorative materials
** R01DE-06988-01 Determination and expression of amelogenin gene products (mice)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

** R01DE-06989-01 Neutrophil function in periodontal disease (human)
** R01DE-06994-02 Palladium containing dental amalgam
** R01DE-06996-01 Biological molecules in the corrosion of dental alloys
** R01DE-07008-03 Herpes virus antibodies in patients with oral cancer
** R01DE-07011-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
** R01DE-07030-01 Epidemiology, prevention and treatment of root caries (humans)
** R23DE-07075-01 Tissue interactions in root development (mice)
** R23DE-07077-01 Cell surface regulation in a cariogenic streptococci
** R23DE-07079-01 Effect of composition on fracture and creep of composite
** R01DE-07086-01 Development of artificial oral mucosa (rabbits)
** R23DE-07107-02 Cyclic nucleotides and prostaglandins in cleft palate (mice)
** R23DE-07113-02 Isolation and characterization of osteoclasts (chicks)
** R01DE-07120-02 Cell-substrate interaction in craniofacial morphogenesis
** R01DE-07128-02 Microbiology of ligature-induced periodontitis (monkeys)
** R01DE-07133-02 Peripheral and central mechanisms of dental pain (monkeys, rats)
** R23DE-07182-01 Tooth wear and tooth use in Cercopithecus aethiops (green monkeys)
** R23DE-07190-01 Craniofacial ossification during anuran metamorphosis
** R01DE-07199-01 Adherence factors of oral streptococci (human)
** R01DE-07204-01 Family studies of early onset periodontitis (human)
** R23DE-07208-01 LPS-monocyte interactions in periodontal disease (guinea pigs)
** R01DE-07218-01 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)
** R01DE-07220-01 Bioactive factors in skeletal repair (rabbits, rats)
** R01DE-07223-01 Magnesium and calcium phosphate formation and stability (humans, fish)
** R23DE-07225-01 Influence of mast cells on bone remodelling (mice)
** R23DE-07233-01 Multivariate analysis of saliva antimicrobial proteins (humans)
** R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
** R23DE-07256-02 Attachment protein interaction with periodontal bacteria (mice)
** R01DE-07257-02 IgA protease and dental caries
** R23DE-07318-01 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
** R23DE-07328-01 A quantitative study of lesion formation in animal models (also human)
** R01DE-07332-01 Analysis of utility of implants in craniofacial research
** R01DE-07341-01 Second messenger function in exocrine glands (rats)
** R01DE-07344-01 Black-pigmented bacteroides--Drug resistance and virulence
** R01DE-07347-01 Magnetic resonance characteristics of TMJ tissues (humans)
** R23DE-07351-01 Morphological basis of tongue movement and control (mammals)
** R01DE-07374-01 Effectiveness of dental clinical evaluation techniques (human)
** R01DE-07375-01 Dietary factors and root caries in animals (hamsters)
** R01DE-07376-01 Biochemical profile for gingival crevicular fluid
** R01DE-07378-01 Human osteoclast activating factor (mice, rats)
** R01DE-07381-01 Prevalence of xerostomia--Relation to selected variables (human)
** R23DE-07384-01 Effects of chronic high fluoride on enamel development (rats)
** R23DE-07388-01 Glycan-mediated intraoral demineralization by S mutans (human)
** R23DE-07389-01 VIP receptors and submandibular gland function (rats)
** R23DE-07391-01 Insulin and protein synthesis in the rat gland
** R01DE-07594-01 Enamel proteins
** R01DE-07620-01 Neural aspects of craniofacial morphogenesis (frogs)
** R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)
** R23DE-07681-01 Cell growth and bone resorption in periodontal disease (rats, cattle)
** R23DE-07695-01 Organization of cortical tooth representations (monkeys)
** R01DE-07696-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

ORAL-FACIAL-CRANIAL ANOMALIES

SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL

ORAL DISORDERS DIAGNOSIS

SEE ORAL-PHARYNGEAL DISORDERS DIAGNOSIS (INCL EXAMS)*

ORAL-FACIAL PAIN

SEE ALSO DENTAL PAIN
SEE ALSO NERVOUS DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA
SEE ALSO ORAL-PHARYNGEAL DISORDERS, MPD SYNDROME

** R01DE-04358-09 Treatment of temporomandibular joint pain
** R01DE-04786-08 Dental and orofacial pain--Brain stem mechanisms (cats)
M P01DE-05130-06 Dental/orofacial pain--Mechanisms behavior and modulation
P01DE-05130-06 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Near and far field evoked potentials and pain reactivity (cats, monkeys)
P01DE-05130-06 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
** P01DE-05130-06 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and orofacial pain in man
R01DE-05404-07 Dental pain--Studies on trigeminal nucleus caudalis (cats)
** R23DE-06546-02 Assessment and treatment of mandibular pain-dysfunction (human)
R01DE-06665-03 Trigeminal motor fatigue-endurance and tremor studies (human)
R01DE-06682-03 CNS modulation of orofacial input (rats, cats)
M P01DE-06946-02 Pathophysiology of MPD and other facial pain syndromes
** P01DE-06946-02 0001 Pathophysiology of MPD and other facial pain syndromes - Long-term effects of therapy of TMJ in private practice
** P01DE-06946-02 0002 Pathophysiology of MPD and other facial pain syndromes - Transcutaneous electrical nerve stimulation--Treatment of MPD syndrome (human)
P01DE-06946-02 0012 Pathophysiology of MPD and other facial pain syndromes - Effect of fatigue on pH and p02 in rabbit masseter
P01DE-06946-02 0013 Pathophysiology of MPD and other facial pain syndromes - Psychophysiologic response of MPD patients to pain
P01DE-06946-02 0014 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)
R01DE-07197-01 Epidemiologic studies of temporomandibular disorders (human)
** R01DE-07514-01 TMJS/TMPDS--Evaluating structural and functional models (human)

ORAL-FACIAL RESTORATION

SEE ALSO ORAL SURGERY

P01DE-01697-23 0040 A research program in craniofacial problems - Pattern recognition for reconstruction of nasal capsular anatomy (primates)
P01DE-02872-16 0062 Center for craniofacial anomalies - Growth studies
M P01DE-03568-11 Craniofacial anomalies--Etiology and treatment
R01DE-04940-07 Muscular disorders in craniofacial malformations (human)
** R01DE-05215-07 Influences on stability following orthognathic surgerya (human)
R01DE-05232-07 Musculoskeletal adaptation to increased midfacial height (monkeys)
** R01DE-05396-05 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-05558-05 Sensory alterations of craniofacial form (monkeys)
** P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
** R01DE-06570-04 Psychosocial evaluation of craniofacial patients
** R23DE-06851-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)
** R23DE-06874-02 Effect of intermaxillary fixation on skeletal relapse (monkeys)
** P01DE-06946-02 0015 Pathophysiology of MPD and other facial pain syndromes - Healing of surgical defects in retrodiscal tissue (rabbits)
R01DE-06957-02 Nasal airway and respiratory mode in cleft palate (human)
** R03DE-07052-01 Factors related to coping with orthognathic surgery
** R01DE-07186-01 Validation of an index to score dental aesthetics (human)
** R01DE-07690-01 Growth and development of the human head

ORAL-FACIAL RESTORATION, CLEFT PALATE PROSTHESIS

SEE ALSO DENTAL PROSTHESIS

** P01DE-01697-23 0037 A research program in craniofacial problems - Effects of oronasal fistulae on speech (human)
P01DE-01697-23 0039 A research program in craniofacial problems - Otitis media and its consequences (human)
** P01DE-01697-23 0041 A research program in craniofacial problems - Effect of palate repair on eustachian tube function (human)
P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
** P01DE-05837-05 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
** R01DE-06957-02 Nasal airway and respiratory mode in cleft palate (human)

ORAL-FACIAL RESTORATION, PROSTHODONTICS

SEE ALSO DENTAL PROSTHESIS
SEE ALSO ORAL-FACIAL RESTORATION, CLEFT PALATE PROSTHESIS

R01DE-04814-06 Clinical evaluation of PNF permanent soft denture liners
R01DE-06409-03 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)
R03DE-06799-02 Speech prostheses in orofacial cancer patients
R23DE-06851-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)

ORAL-FACIAL RESTORATION MATERIALS

** R01DE-04136-11 Maxillofacial materials--Color study (human)
P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)

ORAL FLORA

SEE MICROBIAL ORAL FLORA

ORAL HEALTH

SEE DENTAL HEALTH (ORAL HEALTH)

ORAL MICROBES

SEE MICROBIAL ORAL FLORA

ORAL-PHARYNGEAL (REGION)

SEE ALSO DENTAL STRUCTURE

P50DE-02668-19 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
** P01DE-03610-19 0016 Craniofacial growth and development - Craniofacial growth from change (human)
** R01DE-04166-16 Oral pharyngeal reflexes (cats, human)

ORAL-PHARYNGEAL, JAW

SEE ALSO DENTAL STRUCTURE

** R01DE-03598-10 Dentofacial effects of forces to retract the maxilla (human)
** R01DE-05215-07 Influences on stability following orthognathic surgerya (human)
** R03DE-06817-02 Maxillary expansion using laser specklegrammetry (human)
** R03DE-07052-01 Factors related to coping with orthognathic surgery
R01DE-07690-01 Growth and development of the human head

ORAL-PHARYNGEAL, JAW, MANDIBLE

P50DE-02668-19 0214 Regional dental research center - Motor control during speech
** P01DE-03568-11 0013 Craniofacial anomalies--Etiology and treatment - Development of new methods for the study of craniofacial anomalies
R01DE-04166-16 Oral pharyngeal reflexes (cats, human)
R01DE-05215-07 Influences on stability following orthognathic surgerya (human)
R01DE-05232-07 Musculoskeletal adaptation to increased midfacial height (monkeys)
R01DE-05396-05 Craniofacial adaptations after total maxillary osteotomy (monkeys)
R01DE-05418-06 In vivo forces on endosseous dental implants (dogs)
R01DE-05558-05 Sensory alterations of craniofacial form (monkeys)
** R01DE-05980-02 Stress analysis of mandibular partial dentures
R01DE-06424-01 Development of oral tissues after early undernutrition (human)
** R23DE-06618-02 Properties of motor units in human mandibular muscles
R01DE-06634-02 Cyclosporine in craniofacial composite tissue allografts (human, mammals)
R03DE-06819-02 TMJ clicking related to orthodontic therapy
** R01DE-06859-01 Biomechanics of the mandible (human)
** R23DE-06874-02 Effect of intermaxillary fixation on skeletal relapse (monkeys)
** R03DE-06907-02 Osteogenic potential of DBP and hydroxylapatite in dogs
R03DE-07148-01 Effect of epidermal growth factor on tooth development (mice)
R01DE-07220-01 Bioactive factors in skeletal repair (rabbits, rats)
R01DE-07332-01 Analysis of utility of implants in craniofacial research

ORAL-PHARYNGEAL, JAW, MANDIBULAR CONDYLE

P01DE-03610-19 0018 Craniofacial growth and development - Growth function, and adaptation of the masticatory complex (humans, monkeys)
R23DE-06874-02 Effect of intermaxillary fixation on skeletal relapse (monkeys)
P01DE-06946-02 0004 Pathophysiology of MPD and other facial pain syndromes - Xeroradiographic tomography of the temporomandibular joint

(contd)

*Excludes routine methodology OR covers only several projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

BEST COPY AVAILABLE

P01DE-06946-02 0007 Pathophysiology of MPD and other facial pain syndromes - Incidence of TMJ clicking in preothodontic patients
** P01DE-06946-02 0011 Pathophysiology of MPD and other facial pain syndromes - Effects of altered position on articular surface of mandibular condyle (rabbits)
P01DE-06946-02 0015 Pathophysiology of MPD and other facial pain syndromes - Healing of surgical defects in retrodiscal tissue (rabbits)
** R23DE-06982-02 Biomechanical influences on condylar cartilage growth (rats)

ORAL-PHARYNGEAL, JAW, TEMPOROMANDIBULAR JOINT

** P50DE-02731-19 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
** P01DE-03610-19 0018 Craniofacial growth and development - Growth function, and adaptation of the masticatory complex (humans, monkeys)
R01DE-04166-16 Oral pharyngeal reflexes (cats, human)
** R01DE-04358-09 Treatment of temporomandibular joint pain
R01DE-05396-05 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-05497-04 Dental disease and work loss (human)
R01DE-06027-04 Kinesthetic mechanisms in the trigeminal system (cats)
** R23DE-06118-03 Acquired defects of the jaw joint (TMJ)--A model system (chickens, rabbits)
R23DE-06546-02 Assessment and treatment of mandibular pain-dysfunction (human)
R03DE-06813-02 Digastric and lateral pterygoid muscle function
** R03DE-06819-02 TMJ clicking related to orthodontic therapy
** R01DE-06856-02 Arthrophonometry of the temporomandibular joint (human)
R01DE-06859-01 Biomechanics of the mandible (human)
M P01DE-06946-02 Pathophysiology of MPD and other facial pain syndromes
** P01DE-06946-02 0001 Pathophysiology of MPD and other facial pain syndromes - Long-term effects of therapy of TMJ in private practice
** P01DE-06946-02 0004 Pathophysiology of MPD and other facial pain syndromes - Xeroradiographic tomography of the temporomandibular joint
** P01DE-06946-02 0006 Pathophysiology of MPD and other facial pain syndromes General population survey for TMJ clicking
** P01DE-06946-02 0007 Pathophysiology of MPD and other facial pain syndromes - Incidence of TMJ clicking in preothodontic patients
** P01DE-06946-02 0008 Pathophysiology of MPD and other facial pain syndromes - TMJ symptons in pre- and post-orthognathic surgery patients
** P01DE-06946-02 0009 Pathophysiology of MPD and other facial pain syndromes - Surgical denervation and the structures of the TMJ
** P01DE-06946-02 0011 Pathophysiology of MPD and other facial pain syndromes - Effects of altered position on articular surface of mandibular condyle (rabbits)
** P01DE-06946-02 0014 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)
** P01DE-06946-02 0015 Pathophysiology of MPD and other facial pain syndromes - Healing of surgical defects in retrodiscal tissue (rabbits)
R23DE-06982-02 Biomechanical influences on condylar cartilage growth (rats)
** R01DE-07197-01 Epidemiologic studies of temporomandibular disorders (human)
** R01DE-07347-01 Magnetic resonance characteristics of TMJ tissues (humans)
** R01DE-07514-01 TMJS/TMPDS-Evaluating structural and functional models (human)
** R01DE-07690-01 Growth and development of the human heart

ORAL-PHARYNGEAL, JAW MOVEMENT

SEE ALSO DENTISTRY, MASTICATION
** P50DE-02731-19 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
** R01DE-04164-08 Functional properties of rabbit jaw muscles (rabbit)
R01DE-04166-16 Oral pharyngeal reflexes (cats, human)
** R01DE-05738-05 Mastication, food transport, and swallowing in primates (cats, monkeys)
R01DE-06027-04 Kinesthetic mechanisms in the trigeminal system (cats)
** R01DE-06193-03 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)
** R01DE-06665-03 Trigeminal motor fatigue-endurance and tremor studies (human)
** R01DE-06717-01 Jaw movements and masseter activity during chewing (human)
** R03DE-06817-02 Maxillary expansion using laser speckleprammetry (human)
R03DE-06819-02 TMJ clicking related to orthodontic therapy
** R01DE-06943-02 Central projections of MES V afferents (cats)
P01DE-06946-02 0005 Pathophysiology of MPD and other facial pain syndromes - Diazepam, chlorazepate, carisprodol in MPD syndrome chemotherapy (human)
P01DE-06946-02 0006 Pathophysiology of MPD and other facial pain syndromes - General population survey for TMJ clicking
P01DE-06946-02 0011 Pathophysiology of MPD and other facial pain syndromes - Effects of altered position on articular surface of mandibular condyle (rabbits)

ORAL-PHARYNGEAL, LIPS

R01DE-05215-07 Influences on stability following orthognathic surgerya (human)
P01DE-05837-05 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
** R01DE-06866-02 Deoxyuridine metabolism in herpes fabialis (rabbit, human)

ORAL-PHARYNGEAL, MOUTH

R01DE-02342-14 Normal and altered oral mucosa (rats)
P50DE-02668-19 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
** P50DE-02668-19 0197 Regional dental research center - Ultracytochemical and immunocytochemical studies of nerve tissue
R01DE-04224-11 Studies on the genetics of oral microflora (rats)
** R01DE-06113-05 Determinants of fluoride in the oral environment (dogs, rats)
R23DE-06524-02 The pathogenesis of chronic oral candidiasis in the rat
** R23DE-06554-03 Organization of cortical tooth representations (monkeys)
** R01DE-06762-02 Development of an advanced artificial oral environment
** R23DE-07695-01 Organization of cortical tooth representations (monkeys)
N01DE-32444-02 Pharmacology of intraoral fluoride-releasing device

ORAL-PHARYNGEAL, MUCOSA

SEE ALSO GASTROINTESTINAL SYSTEM, EPITHELIUM
** R01DE-02342-14 Normal and altered oral mucosa (rats)
** P50DE-02600-19 0034 Support for oral biology research center - Salivary and oral mucosal changes after chemotherapeutic drugs (human)
R01DE-02774-17 Tissue interaction in palatal shelf closure (mice)
R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
** R01DE-04660-10 Keratohyalin in keratinization--Oral mucosa and skin (human)
** R01DE-05395-06 Stem cells in oral mucosa (mice)
** R01DE-06076-03 Pathobiology of oral mucosa (rabbits)
R01DE-06395-03 Molecular basis of the ecology of oral streptococci
R23DE-06524-02 The pathogenesis of chronic oral candidiasis in the rat
** R01DE-06556-03 Oral epithelium structural proteins (rabbits)
R01DE-06730-02 Dental implant surfaces impeding epithelial migration (rats)
R01DE-06748-02 Synthesis and function of polymers in oral bacteria (rats)
** R23DE-06849-03 Identification of intraoral mucosal wound hyaluronidase (rabbits)
** R01DE-06977-02 Oral mucosa in vitro (mice, rats, guinea pigs)
** R01DE-07086-01 Development of artificial oral mucosa (rabbits)
** R01DE-07218-01 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)
** R03DE-07404-01 Collagen matrices for oral epithelium in vitro (human, rats)
** R03DE-07406-01 Effect of ingested ethyl alcohol on oral epithelium (rat)

ORAL-PHARYNGEAL, NASOPHARYNX, ADENOIDS

R01DE-06881-03 Oral facial morphology and breathing--Quantitative studies (human)

ORAL-PHARYNGEAL, PALATE

SEE ALSO ORAL-FACIAL RESTORATION, CLEFT PALATE PROSTHESIS
R01DE-02342-14 Normal and altered oral mucosa (rats)
R01DE-02774-17 Tissue interaction in palatal shelf closure (mice)
** P01DE-02848-15 0009 Biology of connective tissue, bones, and teeth - Epithelial-mesenchymal interactions and palate morphogenesis
R01DE-04660-10 Keratohyalin in keratinization--Oral mucosa and skin (human)
R01DE-04859-06 Tissue interactions in the cranio-facial region (mice, chick embryos)
** R01DE-05550-05 Differentiation during craniofacial embryogenesis (mice)
** R01DE-06397-03 Biochemical aspects of orofacial development

ORAL-PHARYNGEAL, PHARYNX

** P01DE-01697-23 0036 A research program in craniofacial problems - Evaluation of velopharyngeal sphincteric function (human)
** P01DE-01697-23 0038 A research program in craniofacial problems - Anatomy of the posterior pharyngeal wall (human)
R01DE-05738-05 Mastication, food transport, and swallowing in primates (cats, monkeys)

ORAL-PHARYNGEAL, SALIVA

** R01DE-01554-24 Host factors in caries resistance (human, bacteria)
R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
P50DE-02600-19 0030 Support for oral biology research center - Leukocyte function- Its role in periodontal disease (human)
P50DE-02600-19 0034 Support for oral biology research center - Salivary and oral mucosal changes after chemotherapeutic drugs (human)
P50DE-02670-19 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
P01DE-02847-17 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
R01DE-03187-14 Transport in enamel and solubility of enamel (human)
** R01DE-03658-21 Genetic polymorphisms of saliva (human, mice)
** R01DE-03915-12 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
R01DE-04217-11 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
** R01DE-04235-09 Peroxidase in saliva and prevention of oral disease (human, S mutants)
R01DE-04387-09 Effect of fluoride on cAMP and glucose metabolism (rats)
** R01DE-04518-09 Streptococcus sanguis receptors for salivary glycoproteins
** R01DE-04971-07 Salivary mucins and dental diseases (human)
R01DE-05354-08 Prevention of dental caries
R01DE-05606-05 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
** R01DE-05666-05 Biochemistry of salivary lipids (rats, human)
** R01DE-05672-03 Anionic salivary proteins in dental integuments (Macaca facicularis)
** R01DE-05764-06 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06000-05 Effect of parotid function on saliva and cells (rats)
R23DE-06066-03 Orally induced suppression in periodontal disease (rabbits, rats)
** R01DE-06153-04 Antibody to glucosyltransferase in adults and children
** R01DE-06373-03 Saliva formation studied by microprobe analysis (rats)
R01DE-06395-03 Molecular basis of the ecology of oral streptococci
R01DE-06424-01 Development of oral tissues after early undernutrition (human)
R01DE-06564-04 Remineralization of enamel caries in vitro (human)
R01DE-06746-02 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
R01DE-06762-02 Development of an advanced artificial oral environment
R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
R01DE-06996-01 Biological molecules in the corrosion of dental alloys
** P50DE-07003-02 0004 Rochester caries research center - Salivary pellicle and dental caries (human)
** P50DE-07009-02 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
P50DE-07009-02 0004 Specialized caries research centers - Immunological aspects of root caries (human)
R03DE-07014-01 Human PDL cell attachment to root surfaces
R03DE-07051-01 HPLC analysis of purine nucleosides in crevicular fluid
P50DE-07117-01 0003 Periodontal disease research center - Two monitored patient groups--Immunology
P50DE-07117-01 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
P50DE-07118-01 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
R01DE-07199-01 Adherence factors of oral streptococci (human)
R01DE-07218-01 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)
** R23DE-07233-01 Multivariate analysis of saliva antimicrobial proteins (humans)
R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R03DE-07299-01 Ultramicro analysis of plaque samples from single sites
** R03DE-07313-01 Ligand receptor interactions of actinomyces viscosus (human, rabbit)
R23DE-07318-01 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
N01DE-32444-02 Pharmacology of intraoral fluoride-releasing device
N01DE-42552-02 Prevent maternal transmission of streptococcus mutans (humans)

ORAL-PHARYNGEAL, SALIVARY GLANDS

R01DE-01554-24 Host factors in caries resistance (human, bacteria)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

** R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
P50DE-02600-19 0034 Support for oral biology research center - Salivary and oral mucosal changes after chemotherapeutic drugs (human)
P50DE-02670-19 0018 Institute of dental research - Immune response to Streptococcus mutans
** R01DE-03666-09 X-ray therapeutic index for salivary glands (rodents, human)
R01DE-04733-08 Secretory immune response and S mutans glucosyltransferase (mammals)
** R01DE-04897-05 Functional development of salivary glands (rats)
** R01DE-04960-07 Mechanisms of salivary gland development (mice, rabbits, rats)
** R01DE-05249-06 Salivary secretion - role of calcium (mice)
** R01DE-05251-06 Salivary gland secretory mechanisms (rats)
** R01DE-05978-03 Lipid nutrition, membrane fluidity and enzymes (rats)
** R01DE-06185-02 Sympathectomized salivary glands--Cystic fibrosis model (rats)
** R03DE-06825-02 Central nervous system control of Von Ebner's glands (rats)
** R01DE-06848-02 Androgen control of salivary gland EGF in cleft palate (mice)
** R01DE-06892-02 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
R01DE-06904-02 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
P50DE-07003-02 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
N01DE-42551-01 Develop antigens and adjuvants for carries immunity

ORAL-PHARYNGEAL, SALIVARY GLANDS, PAROTID

R01DE-01554-24 Host factors in caries resistance (human, bacteria)
R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
R01DE-03658-21 Genetic polymorphisms of saliva (human, mice)
** R01DE-03666-09 X-ray therapeutic index for salivary glands (rodents, human)
R01DE-04518-09 Streptococcus sanguis receptors for salivary glycoproteins
R01DE-04897-05 Functional development of salivary glands (rats)
R01DE-04960-07 Mechanisms of salivary gland development (mice, rabbits, rats)
R01DE-05249-06 Salivary secretion - role of calcium (mice)
R01DE-05251-06 Salivary gland secretory mechanisms (rats)
R01DE-05666-05 Biochemistry of salivary lipids (rats, human)
R01DE-05672-03 Anionic salivary proteins in dental integuments (Macaca fascicularis)
** R01DE-05764-06 Cellular pharmacology of salivary secretion (rats, ducks)
** R01DE-06000-05 Effect of parotid function on saliva and cells (rats)
** R01DE-06115-02 Protein phosphorylation in parotid gland secretion (rabbits)
R01DE-06153-04 Antibody to glucosyltransferase in adults and children
R01DE-06373-03 Saliva formation studied by microprobe analysis (rats)
** R01DE-06511-03 Parotid secretion--Selective cAMP-Pk isozyme activation (rabbits, rats)
R01DE-06913-03 Modulating role of prostaglandins in salivary glands (rats)
R01DE-06991-02 Plasma membranes and secretory granules in secretion (rats, rabbits)
** R03DE-07024-02 Oral signs and symptoms in bulimic patients
R23DE-07318-01 Functional role of IgA antibodies to Streptococcus mutans (rabbits)

ORAL-PHARYNGEAL, SALIVARY GLANDS, SUBLINGUAL

R01DE-05666-05 Biochemistry of salivary lipids (rats, human)
R01DE-06153-04 Antibody to glucosyltransferase in adults and children
R01DE-06970-02 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

ORAL-PHARYNGEAL, SALIVARY GLANDS, SUBMANDIBULAR

SEE ALSO GROWTH FACTORS (INCL ANABOLICS), EPIDERMAL GROWTH FACTOR
R01DE-01554-24 Host factors in caries resistance (human, bacteria)
R01DE-02110-21 Study of salivary gland structure and function (mice, rats)
** P50DE-02668-19 0213 Regional dental research center - Action of androgen on submaxillary gland function
R01DE-04518-09 Streptococcus sanguis receptors for salivary glycoproteins
R01DE-04897-05 Functional development of salivary glands (rats)
** R01DE-05632-05 Development of salivary gland secretory function (rats)
R01DE-05666-05 Biochemistry of salivary lipids (rats, human)
R01DE-05978-03 Lipid nutrition, membrane fluidity and enzymes (rats)
R01DE-06153-04 Antibody to glucosyltransferase in adults and children
** R01DE-06635-03 Tissue interactions and salivary cytodifferentiation (rats, rabbits)
R01DE-06892-02 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
R01DE-06893-02 Effects of beta-carotene on salivary gland tumors (rats)
R01DE-06970-02 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R01DE-07341-01 Second messenger function in exocrine glands (rats)
** R23DE-07389-01 VIP receptors and submandibular gland function (rats)
** R23DE-07391-01 Insulin and protein synthesis in the rat gland

ORAL-PHARYNGEAL, SALIVATION

** P50DE-02600-19 0034 Support for oral biology research center - Salivary and oral mucosal changes after chemotherapeutic drugs (human)
** R01DE-06000-05 Effect of parotid function on saliva and cells (rats)
R03DE-06825-02 Central nervous system control of Von Ebner's glands (rats)
** R01DE-06904-02 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
** R01DE-06913-03 Modulating role of prostaglandins in salivary glands (rats)
** P50DE-07003-02 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
** P50DE-07003-02 0006 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
** P50DE-07003-02 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)
** R01DE-07381-01 Prevalence of xerostomia--Relation to selected variables (human)

ORAL-PHARYNGEAL, TONGUE

SEE ALSO SENSORY-PERCEPTUAL PROCESSES, TASTE
R01DE-05215-07 Influences on stability following orthognathic surgerya (human)
R01DE-05558-05 Sensory alterations of craniofacial form (monkeys)
** R03DE-07019-02 Ultrasonic detection of oral markers (human)
** R23DE-07351-01 Morphological basis of tongue movement and control (mammals)

ORAL-PHARYNGEAL DISORDERS (GENERAL)

SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL
SEE ALSO DENTAL DISORDERS
SEE ALSO NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES
SEE ALSO ORAL PHARYNGEAL HYPERPLASIA
SEE ALSO ORAL SURGERY
** P50DE-02670-19 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology
R01DE-05497-04 Dental disease and work loss (human)
P01DE-05837-05 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
** R01DE-06717-01 Jaw movements and masseter activity during chewing (human)
** R03DE-06819-02 TMJ clicking related to orthodontic therapy
** R01DE-06866-02 Deoxyuridine metabolism in herpes labialis (rabbit, human)
R03DE-06916-01 Oral herpes simplex in immunocompromised patients
** P01DE-06946-02 0007 Pathophysiology of MPD and other facial pain syndromes - Incidence of TMJ clicking in preothodontic patients
** R03DE-07130-01 Epidemiology of oral disease in Hispanic Americans
R03DE-07149-01 Ethanol teratogenicity at early somite stages in mice
** R01DE-07197-01 Epidemiologic studies of temporomandibular disorders (human)
** R01DE-07514-01 TMJS/TMPDS--Evaluating structural and functional models (human)

ORAL-PHARYNGEAL DISORDERS, MPD SYNDROME

R01DE-04166-16 Oral pharyngeal reflexes (cats, human)
** R01DE-05989-04 Myofascial pain-dysfunction syndrome and life stress (human)
M P01DE-06946-02 Pathophysiology of MPD and other facial pain syndromes
** P01DE-06946-02 0002 Pathophysiology of MPD and other facial pain syndromes - Transcutaneous electrical nerve stimulation--Treatment of MPD syndrome (human)
** P01DE-06946-02 0003 Pathophysiology of MPD and other facial pain syndromes - Physical therapy for MDP syndrome
** P01DE-06946-02 0005 Pathophysiology of MPD and other facial pain syndromes - Diazepam, chlorazepate, carisprodol in MPD syndrome chemotherapy (human)
** P01DE-06946-02 0010 Pathophysiology of MPD and other facial pain syndromes - Tendon in normal and fatigued states (rat, human)
** P01DE-06946-02 0012 Pathophysiology of MPD and other facial pain syndromes - Effect of fatigue on pH and pO2 in rabbit masseter
** P01DE-06946-02 0013 Pathophysiology of MPD and other facial pain syndromes - Psychophysiologic response of MPD patients to pain
** P01DE-06946-02 0014 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)
** R03DE-07413-01 Pressure algometer for MPD--Reliability and validity
** R01DE-07514-01 TMJS/TMPDS--Evaluating structural and functional models (human)

ORAL-PHARYNGEAL DISORDERS, SALIVARY GLAND DISORDERS

SEE ALSO CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME
SEE ALSO VIRUSES, HERPESVIRIDAE, BETAHERPESVIRINAE
P50DE-07003-02 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)
R03DE-07024-02 Oral signs and symptoms in bulimic patients
** R01DE-07381-01 Prevalence of xerostomia--Relation to selected variables (human)

ORAL-PHARYNGEAL DISORDERS, STOMATITIS, APHTHOUS

R01DE-07008-03 Herpes virus antibodies in patients with oral cancer

ORAL-PHARYNGEAL DISORDERS, TONGUE DISORDERS

SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, PIERRE-ROBIN SYNDROME
** R03DE-06799-02 Speech prostheses in orofacial cancer patients

ORAL-PHARYNGEAL DISORDERS DIAGNOSIS (INCL EXAMS)*

SEE ALSO BODY PHYSICAL CHARACTERISTICS, CEPHALOMETRY
SEE ALSO DENTAL DISORDERS DIAGNOSIS (INCL EXAMS)*
P50DE-02670-19 0047 Institute of dental research - Oral disease immunobiology--Hybridoma technology
P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
P01DE-05837-05 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
R01DE-05989-04 Myofascial pain-dysfunction syndrome and life stress (human)
R01DE-06516-03 Oral infection in myelosuppressed cancer patients
R01DE-06717-01 Jaw movements and masseter activity during chewing (human)
R03DE-06819-02 TMJ clicking related to orthodontic therapy
** P01DE-06946-02 0004 Pathophysiology of MPD and other facial pain syndromes - Xeroradiographic tomography of the temporomandibular joint
R03DE-07024-02 Oral signs and symptoms in bulimic patients
R01DE-07197-01 Epidemiologic studies of temporomandibular disorders (human)
R01DE-07381-01 Prevalence of xerostomia--Relation to selected variables (human)
** R03DE-07413-01 Pressure algometer for MPD--Reliability and validity
R01DE-07514-01 TMJS/TMPDS--Evaluating structural and functional models (human)

ORAL-PHARYNGEAL EPITHELIUM

SEE GASTROINTESTINAL SYSTEM, EPITHELIUM

ORAL-PHARYNGEAL HYPERPLASIA

SEE ALSO DENTAL DISORDERS, GINGIVAL HYPERPLASIA
R01DE-05395-06 Stem cells in oral mucosa (mice)

ORAL-PHARYNGEAL HYPERPLASIA, LEUKOPLAKIA ORAL

R01DE-07008-03 Herpes virus antibodies in patients with oral cancer

ORAL-PHARYNGEAL MUCOSA

SEE ORAL PHARYNGEAL MUCOSA

ORAL-PHARYNGEAL NEOPLASMS

SEE NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES

ORAL SURGERY

SEE ALSO DENTAL EXTRACTION
SEE ALSO DENTISTRY, ENDODONTICS
SEE ALSO DENTISTRY, GINGIVECTOMY
SEE ALSO DENTISTRY, SUBGINGIVAL CURETTAGE
SEE ALSO ORAL-FACIAL RESTORATION
P50DE-02600-19 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
P50DE-02668-19 0168 Regional dental research center - Platelets and thrombin (human)
P50DE-02731-19 0033 Development support for dental research institute - Epidemiology laboratory (human)
P01DE-02872-16 0062 Center for craniofacial anomalies - Growth studies
** P01DE-03568-11 0012 Craniofacial anomalies--Etiology and treatment - Effects of surgical-orthodontic intervention
R01DE-05215-07 Influences on stability following orthognathic surgerya (human)
** R01DE-05369-07 Factors affecting dental postoperative pain (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

R01DE-05622-04 Rx for dental patients at risk for endocarditis (dentists)
P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
** R01DE-06521-02 Behavioral response enhancement after periodontal surgery (human)
R43DE-06778-01 Videodisc and computer technology in malocclusion
R23DE-06874-02 Effect of intermaxillary fixation on skeletal relapse (monkeys)
** P01DE-06946-02 0008 Pathophysiology of MPD and other facial pain syndromes - TMJ symptons in pre- and post-orthognathic surgery patients
P01DE-06946-02 0009 Pathophysiology of MPD and other facial pain syndromes - Surgical denervation and the structures of the TMJ
P01DE-06946-02 0011 Pathophysiology of MPD and other facial pain syndromes - Effects of altered position on articular surface of mandibular condyle (rabbits)
P01DE-05946-02 0015 Pathophysiology of MPD and other facial pain syndromes - Healing of surgical defects in retrodiscal tissue (rabbits)
R01DE-06957-02 Nasal airway and respiratory mode in cleft palate (human)
** R03DE-07012-02 Therapeutic regimens for dental surgery
R01DE-07086-01 Development of artificial oral mucosa (rabbits)
** R03DE-07170-01 Pharmacological control of post-operative swelling (human)

ORGAN CULTURE
SEE TISSUE (CELL) CULTURE, ORGAN CULTURE

ORGAN TRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION

ORGANELLES
SEE CELL COMPONENTS, ORGANELLES (GENERAL)

ORGANIC COMPOUNDS (GENERAL)
SEE CHEMICALS (GENERAL), ORGANIC COMPOUNDS (GENERAL)

ORGANIC SYNTHESIS
SEE CHEMICAL SYNTHESIS, DESIGN AND PRODUCTION (GENERAL)

ORIENTATION, BODY POSITION
SEE SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION

ORTHODONTICS
SEE DENTISTRY, ORTHODONTICS

ORTHOPEDICS AND MUSCULOSKELETAL STUDY SECTION
** R01DE-05937-05 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
** R01DE-06859-01 Biomechanics of the mandible (human)

OSMOTIC MINIPUMP
SEE DRUGS, DRUG DELIVERY SYSTEMS

OSSIFICATION PATHOGENIC
SEE SKELETAL DISORDERS, OSSIFICATION PATHOLOGIC

OSSIFICATION PHYSIOLOGIC
SEE SKELETAL SYSTEM, BONE DEVELOPMENT, OSSIFICATION NORMAL

OSTEITIS DEFORMANS
SEE SKELETAL DISORDERS, OSTEITIS DEFORMANS

OSTEOARTHRITIS
SEE SKELETAL DISORDERS, ARTHRITIS, OSTEOARTHRITIS

OSTEOARTHROPATHY, HYPERTROPHIC (PULMONARY)
SEE SKELETAL DISORDERS, ARTHRITIS, HYPERTROPHIC OSTEOARTHROPATHY

OSTEOBLASTS
SEE SKELETAL SYSTEM, BONE CELLS, OSTEOBLASTS

OSTEOCALCIN
SEE PROTEINS, CALCIUM BINDING PROTEINS

OSTEOCLAST ACTIVATING FACTOR
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, OSTEOCLAST ACTIVATING FACTOR

OSTEOCLASTS
SEE SKELETAL SYSTEM, BONE CELLS, OSTEOCLASTS

OSTEOCYTES
SEE SKELETAL SYSTEM, BONE CELLS

OSTEOGENESIS
SEE SKELETAL SYSTEM, BONE DEVELOPMENT, OSTEOGENESIS

OSTEOGENESIS IMPERFECTA
SEE METABOLIC DISORDERS INBORN, OSTEOGENESIS IMPERFECTA

OSTEOGENIC SARCOMA
SEE NEOPLASMS OF SKELETAL SYSTEM, OSTEOGENIC SARCOMA

OSTEOPETROSIS
SEE METABOLIC DISORDERS INBORN, OSTEOPETROSIS

OSTEOPOROSIS
SEE SKELETAL DISORDERS, BONE METABOLISM, OSTEOPOROSIS

OSTEOSCLEROSIS
SEE METABOLIC DISORDERS INBORN, OSTEOPETROSIS

OTITIS MEDIA
SEE EAR DISORDERS, MIDDLE EAR DISORDERS, OTITIS MEDIA

OUABAIN
SEE CARDIAC GLYCOSIDES, OUABAIN

OUTPATIENT FACILITIES (GENERAL)
SEE HEALTH CARE FACILITIES, OUTPATIENT FACILITIES

OUTREACH
SEE HEALTH CARE SERVICES, CASE FINDING AND OUTREACH

OVARY
SEE REPRODUCTIVE SYSTEM FEMALE, OVARY

OXALATES
SEE DICARBOXYLIC ACIDS, OXALATES

OXIDANTS
N01CE-12433-05 Phase contrast evaluation of subgingival plaque

OXIDATION
SEE OXIDATION-REDUCTION, OXIDATION

OXIDATION-REDUCTION
P50DE-02668-19 0150 Regional dental research center - Polymerization of tooth restorative composite materials
R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

OXIDATION-REDUCTION, OXIDATION
SEE ALSO PEROXIDATION
** R01DE-05513-06 Oxidation behavior of Ni-base crown and bridge alloys

OXIDATION-REDUCTION ENERGIES
SEE BIOLOGICAL TRANSPORT, TRANSPORT ENERGETICS

OXIDES, SUPEROXIDE
R01DE-03738-13 Humoral and cellular mediators of inflammation (human, mammals)
R01DE-06622-02 Molecular mechanisms of periodontal disease
** R03DE-07145-01 Oxygen free radicals in palatal development (mice)

OXIDIZING AGENTS
SEE OXIDANTS

OXIDOREDUCTASES
SEE ALSO PEROXIDASES
R01DE-05494-06 Activation of macrophages in periodontal disease (mice)

OXIDOREDUCTASES, DEHYDROGENASES
P50DE-02668-19 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
R01DE-06673-03 Genetic and biochemical bases for S mutans virulence (rabbits)

OXIDOREDUCTASES, LACTATE DEHYDROGENASE
R01DE-04529-09 Replacement therapy of dental caries (rats)
R23DE-07318-01 Functional role of IgA antibodies to Streptococcus mutans (rabbits)

OXIDOREDUCTASES, MONOAMINE OXIDASE
R01DE-01554-24 Host factors in caries resistance (human, bacteria)

OXIDOREDUCTASES, PROSTAGLANDIN SYNTHASE
R03DE-07001-01 Exogenous arachidonic acid metabolism by oral squamous carcinoma cells (human)

OXIDOREDUCTASES, SUCCINATE:(ACCEPTOR) OXIDOREDUCTASE
R23DE-06091-03 Primary human cells--A model for materials testing (tissue culture)

OXYGEN
SEE RESPIRATORY GASES, OXYGEN

OXYGEN CONSUMPTION
SEE RESPIRATORY GAS CONSUMPTION, OXYGEN CONSUMPTION

OXYGEN DEFICIENCY
SEE RESPIRATORY GAS LEVELS, HYPOXIA

OXYGEN RADICALS
SEE HYDROXYL GROUPS
SEE OXIDES, SUPEROXIDE
SEE PEROXIDES, HYDROGEN PEROXIDE

OXYGEN TENSION
SEE RESPIRATORY GAS LEVELS, OXYGEN TENSION

OXYGENASES, LIPOXYGENASE
R03DE-07001-01 Exogenous arachidonic acid metabolism by oral squamous carcinoma cells (human)

OZ GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

P
SEE PHOSPHORUS

PAIN
SEE SENSORY PERCEPTUAL PROCESSES, PAIN

PAIN, DENTAL
SEE DENTAL PAIN

PAIN, ORAL-FACIAL
SEE ORAL FACIAL PAIN

PAIN RELIEVING AGENTS
SEE NEUROPHARMACOLOGICAL AGENTS, ANALGESICS

PAIN TOLERANCE
SEE SENSORY-PERCEPTUAL PROCESSES, PAIN TOLERANCE

PALATE
SEE ORAL PHARYNGEAL, PALATE

PALATE, CLEFT
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT PALATE

PALLADIUM (COMPOUNDS)
SEE METALS, HEAVY METALS, PALLADIUM (COMPOUNDS)

PANCREAS
R01DE-07341-01 Second messenger function in exocrine glands (rats)

PANCREAS HORMONES, INSULIN
SEE ALSO CARBOHYDRATES METABOLISM DISORDERS, DIABETES
R01DE-05990-02 Periodontitis, leukocyte function and diabetic status (human)
R03DE-06940-01 Comparisons of microvessels and osteoblasts in vitro
** R23DE-07391-01 Insulin and protein synthesis in the rat gland
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

PANCREATIC CYSTIC FIBROSIS
SEE METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS

PANCREATIC ISLETS FUNCTION
R01DE-05990-02 Periodontitis, leukocyte function and diabetic status (human)

PANCREATOPEPTIDASE E
SEE PROTEASES AND PEPTIDASES, ELASTASE

PANCREOZYMIN
SEE GASTROINTESTINAL HORMONES, PANCREOZYMIN-CHOLECYSTOKININ

PANCREOZYMIN-CHOLECYSTOKININ
SEE GASTROINTESTINAL HORMONES, PANCREOZYMIN-CHOLECYSTOKININ

PAP
SEE PLANTS EXTRACTS, POKEWEED EXTRACTS

PAPILLOMAVIRUS
SEE VIRUSES, PAPOVAVIRIDAE, PAPILLOMAVIRUS

PAPOVAVIRIDAE
SEE VIRUSES, PAPOVAVIRIDAE

PAPOVAVIRUSES
SEE VIRUSES, PAPOVAVIRIDAE

PARAMEDICAL PERSONNEL
SEE HEALTH SCIENCES PROFESSIONS, HEALTH (CARE) PERSONNEL ALLIED

PARANASAL SINUSES
SEE NASAL, PARANASAL SINUSES

PARAPLEGIA
SEE NEUROMOTOR DISORDERS, PARALYSIS, PARAPLEGIA

PARASYMPATHETIC NERVOUS SYSTEM
SEE NERVOUS SYSTEM AUTONOMIC, PARASYMPATHETIC NERVOUS SYSTEM

PARASYMPATHOMIMETIC AGENTS
SEE NEUROPHARMACOLOGICAL AGENTS, PARASYMPATHOMIMETIC

PARATHORMONE
SEE PARATHYROID HORMONES

PARATHYROID AND THYMUS APLASIA (DIGEORGE SYNDROME)
SEE BLOOD AND RE DISORDERS, THYMUS DYSFUNCTION OR ABSENCE, DIGEORGE SYNDROME

PARATHYROID GLANDS DISORDERS, HYPERPARATHYROIDISM
** R01DE-04724-07 Cellular events in bone remodeling (rats, mice, chickens)

PARATHYROID HORMONES
P50DE-02668-19 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
P50DE-02668-19 0215 Regional dental research center - Osteopenia--Factors influencing development and recovery (rats)
** R01DE-04008-11 Cellular and developmental control of calcification (chick embryo)
R01DE-04345-10 Cell biology of osteoclasts (chickens)
R01DE-04724-07 Cellular events in bone remodeling (rats, mice, chickens)
P50DE-04881-09 0004 Clinical research in periodontal disease - Bone destruction in periodontal disease (human)

(cont'd)

*Excluder routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

R01DE-05210-06 Acid phosphatases in developing bones and teeth (rabbits, rats)
R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)
R23DE-06766-02 Surgical regeneration of the periodontium (dogs)
R03DE-06940-01 Comparisons of microvessels and osteoblasts in vitro
R03DE-07121-01 Acid production in craniofacial osteoclasts (mice)

PARATHYROIDECTOMY
P50DE-02668-19 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)

PARENT-CHILD
SEE FAMILY, PARENT-OFFSPRING

PARENT-OFFSPRING
SEE FAMILY, PARENT-OFFSPRING

PARENTAL AGE
SEE PREGNANCY, AGE AT PREGNANCY

PAROTID GLAND
SEE ORAL-PHARYNGEAL, SALIVARY GLANDS, PAROTID

PARTICLES AND PARTICULATE MATTER
SEE PHYSICAL PROPERTIES, PARTICLES

PASSIVE IMMUNIZATION
SEE IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION, PASSIVE

PASTEUR EFFECT
SEE HEXOSES, GLYCOLYSIS

PATELLA
SEE SKELETAL SYSTEM, JOINT, KNEE

PATHOBIOCHEMISTRY STUDY SECTION
** R01DE-03301-15 Connective tissues of the periodontium (human, dog)
** R01DE-03318-14 The molecular nature of gingival and mucosal collagen (rats)
** R01DE-04970-07 Nuclear composition and organization for odontogenesis (rats)
** R01DE-05793-04 Processing of procollagen to collagen (rabbit, chick embryo)

PATHOGENIC DIET
SEE NUTRITION, DIET PATHOGENIC

PATHOLOGIC PROCESSES
SEE DISEASES, PATHOLOGIC PROCESSES (NOT CLASSIFIED ELSEWHERE)

PATHOLOGY
SEE DISEASES, PATHOLOGY (GENERAL)*

PATHOLOGY MICROSCOPIC
SEE HISTOPATHOLOGY (GENERAL)*

PATHOLOGY B STUDY SECTION
** R01DE-06866-02 Deoxyuridine metabolism in herpes labialis (rabbit, human)
** R01DE-07007-02 Multiple factors in the etiology of oral cancer (mice)

PATIENT CARE
SEE HEALTH CARE SERVICES, PATIENT CARE

PATIENT CARE, HOME CARE
SEE HEALTH CARE SERVICES, HOME CARE

PATIENT CARE QUALITY
SEE HEALTH CARE QUALITY

PATIENT COMPLIANCE WITH THERAPY REGIMEN
SEE THERAPY COMPLIANCE

PATIENT PROFESSIONAL RELATIONS
SEE HEALTH CARE SERVICES, PATIENT-PROFESSIONAL RELATIONS

PATIENT REGISTRIES
SEE HEALTH RECORD SYSTEMS, PATIENT (DISEASE) REGISTRIES

PATTERN RECOGNITION (COMPUTER)
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

PATTERN RECOGNITION, COMPUTER (OTHER THAN IMAGE-WAVESHAPE, OR COMPUTER SIMULATION OR DIAGNOSIS)
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

PD
SEE METALS, HEAVY METALS, PALLADIUM (COMPOUNDS)

PDGF
SEE GROWTH FACTORS (INCL. ANABOLICS), PLATELET DERIVED GROWTH FACTOR

PEDIATRIC CARE (SERVICES)
SEE CHILD HEALTH CARE (SERVICES)

PEER GROUPS
SEE PSYCHOLOGY SOCIAL, GROUP PROCESSES, PEER GROUPS

PELECYPODS
SEE MOLLUSKS, PELECYPODS*

PELLAGRA PREVENTIVE FACTOR
SEE VITAMINS, NIACINS, NICOTINIC ACID

PEMPHIGOID
SEE SKIN DISORDERS, SKIN KERATOSIS

PENICILLIN
SEE ANTIBIOTICS, BETA-LACTAMS, PENICILLIN

PENICILLIN G
SEE ANTIBIOTICS, BETA-LACTAMS, PENICILLIN G

PENICILLINASE
SEE AMIDOHYDROLASES, PENICILLINASE

PENTOSES, RIBOSE
SEE ALSO NUCLEIC ACIDS, RNA
SEE ALSO NUCLEOTIDES, RIBONUCLEOTIDES
SEE ALSO VITAMINS, RIBOFLAVIN
R01DE-06622-02 Molecular mechanisms of periodontal disease

PEPTIDASE INHIBITORS
SEE ENZYME INHIBITORS, PROTEASE INHIBITORS (GENERAL)

PEPTIDASE P
SEE PROTEASES AND PEPTIDASES, DIPEPTIDYL CARBOXYPEPTIDASE

PEPTIDE-POLYPEPTIDE HORMONES
SEE ENDOCRINOLOGY, HORMONES, PEPTIDE-POLYPEPTIDE HORMONES

PEPTIDE-POLYPEPTIDE RELEASING FACTORS
SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN

PEPTIDE STRUCTURE
SEE PROTEINS-PEPTIDES STRUCTURE

PEPTIDES
SEE ALSO ENDOCRINOLOGY, HORMONES, PEPTIDE-POLYPEPTIDE HORMONES
SEE ALSO NEUROTRANSMITTERS AND NEUROMODULATORS, PEPTIDES
SEE ALSO PHOSPHOPEPTIDES
SEE ALSO PROTEASES AND PEPTIDASES
R23DE-06896-02 Nonenzymatic reactions in human dentin proteins
** R03DE-07311-01 Isolation of antibacterial peptides from human PMNs (rabbits)

PEPTIDES, DIPEPTIDES
N01DE-42551-01 Develop antigens and adjuvants for caries immunity

PEPTIDES, ENKEPHALIN
R01DE-04786-06 Dental and orofacial pain--Brain stem mechanisms (cats)
R01DE-06682-03 CNS modulation of orofacial input (rats, cats)
** R01DE-06894-01 Nitrous oxide and endorphins (rats)

PEPTIDES, HOMOPEPTIDES, GLUTAMYL
P50DE-07010-02 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents

PEPTIDES, POLYPEPTIDES
P50DE-02623-18 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
P50DE-02670-19 0039 Institute of dental research - Structure and function of latent collagenase
R01DE-04321-11 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-06852-02 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
R01DE-06866-02 Deoxyuridine metabolism in herpes labialis (rabbit, human)
R01DE-06892-02 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
R01DE-06988-01 Determination and expression of amelogenin gene products (mice)
R01DE-06996-01 Biological molecules in the corrosion of dental alloys
R03DE-07145-01 Effect of epidermal growth factor on tooth development (mice)

PEPTIDES, SUBSTANCE P
R01DE-05605-05 The humoral regulation of pulp circulation (rats, dogs)
R01DE-06115-02 Protein phosphorylation in parotid gland secretion (rabbits)
R01DE-06585-03 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
R01DE-06682-03 CNS modulation of orofacial input (rats, cats)
** R01DE-06894-01 Nitrous oxide and endorphins (rats)

PEPTIDES, SYNTHETIC PEPTIDES
R43DE-27256-01 Mytilus edulis polyphenolic protein--Adhesive system development

PEPTIDES, VASOACTIVE PEPTIDES, KALLIDIN-9
R01DE-05605-05 The humoral regulation of pulp circulation (rats, dogs)

PEPTIDES, VASOACTIVE PEPTIDES, VASOACTIVE INTESTINAL POLYPEPTIDE
** R23DE-07389-01 VIP receptors and submandibular gland function (rats)

PEPTIDES AS BRAIN PEPTIDES FOR NEUROTRANSMISSION OR NEUROMODULATION
SEE GASTROINTESTINAL HORMONES, PANCREOZYMIN-CHOLECYSTOKININ
SEE PANCREAS HORMONES, INSULIN
SEE PEPTIDES, ENKEPHALIN
SEE PEPTIDES, VASOACTIVE PEPTIDES, KALLIDIN-9
SEE PITUITARY-DIENCEPHALON HORMONES, ENDORPHINS
SEE PITUITARY-DIENCEPHALON HORMONES, NEUROTENSIN
SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN
SEE PITUITARY-DIENCEPHALON HORMONES, VASOPRESSIN

PEPTIDES AS NEUROREGULATORS IN BRAIN
SEE NEUROTRANSMITTERS AND NEUROMODULATORS, PEPTIDES

PEPTIDES AS NEUROREGULATORS IN PERIPHERAL NERVOUS SYSTEM
SEE NEUROTRANSMITTERS AND NEUROMODULATORS, PEPTIDES

PEPTIDES STRUCTURE
SEE PROTEINS-PEPTIDES STRUCTURE

PEPTIDES TEMPLATES
SEE NUCLEIC ACIDS, MRNA

PEPTIDOGLYCANS
SEE ALSO PROTEOGLYCANS
P50DE-02623-18 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
P50DE-07003-02 0002 Rochester caries research center - Immunochemical studies of actinomyces viscosus polysaccharides (rats)
R23DE-07077-01 Cell surface regulation in a cariogenic streptococci
R01DE-07267-02 Periodontopathic bacteria--Chemical-biologic nature (animals)

PERCEPTION, SOCIAL
SEE PSYCHOLOGY SOCIAL, SOCIAL PERCEPTION

PERFORMANCE, JOB
SEE OCCUPATIONS, JOB PERFORMANCE

PERFORMANCE, MENTAL
SEE PSYCHOLOGY, PERFORMANCE

PERFUSION
SEE DOSAGE AND ROUTE, PERFUSION

PERINATAL
SEE PREGNANCY, PERINATAL

PERIODONTAL DISORDERS
SEE DENTAL DISORDERS, PERIODONTAL

PERIODONTITIS
SEE DENTAL DISORDERS, PERIODONTITIS

PERIODONTIUM
SEE DENTAL STRUCTURE, PERIODONTIUM

PERIOSTEUM
SEE SKELETAL SYSTEM, BONE, PERIOSTEUM

PERIOSTITIS HYPERPLASTICA
SEE SKELETAL DISORDERS, ARTHRITIS, HYPERTROPHIC OSTEOARTHROPATHY

PERIPHERAL NERVES (GENERAL)
SEE NERVOUS SYSTEM, PERIPHERAL NERVES (GENERAL)

PERITONEUM
SEE BODY CAVITIES, PERITONEUM

PERMANENT TEETH
SEE DENTAL STRUCTURE, TOOTH

PERMEABILITY
SEE BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT
SEE CARDIOVASCULAR SYSTEM, ENDOTHELIUM PERMEABILITY

PERMEASES
SEE BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS, PERMEASES

PEROXIDASES
R01DE-01554-24 Host factors in caries resistance (human, bacteria)
P50DE-02700-19 0030 Support for oral biology research center - Leukocyte function--its role in periodontal disease (human)
R01DE-05586-05 Cell surface studies of the enamel organ (mice)
R01DE-05632-05 Development of salivary gland secretory function (rats)
R23DE-07233-01 Multivariate analysis of saliva antimicrobial proteins (humans)

PEROXIDASES, LACTOPEROXIDASE
R01DE-01554-24 Host factors in caries resistance (human, bacteria)
** R01DE-04235-09 Peroxidase in saliva and prevention of oral disease (human, S mutants)
R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

(cont'd)

*Also for indirect methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

PEROXIDASES, MYELOPEROXIDASE
** R23DE-06757-02 Myeloperoxidase selective killing of oral bacteria (rabbits)

PEROXIDATION
R01DE-04971-07 Salivary mucins and dental diseases (human)

PEROXIDES
R01DE-04235-09 Peroxidase in saliva and prevention of oral disease (human, S mutants)

PEROXIDES, HYDROGEN PEROXIDE
** R23DE-06757-02 Myeloperoxidase selective killing of oral bacteria (rabbits)
R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

PERSONAL SATISFACTION
SEE PSYCHOLOGY, ATTITUDES, PERSONAL SATISFACTION

PERSONALITY
SEE PSYCHOLOGY, PERSONALITY

PERSONNEL
SEE HOSPITALS PERSONNEL

PEYOTE
SEE ALKALOIDS, MORPHINES

PGA, PROSTAGLANDIN A
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS

PGB, PROSTAGLANDIN B
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS

PGC, PROSTAGLANDIN C
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS

PGD, PROSTAGLANDIN D
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS

PGE1
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS, PROSTAGLANDIN E

PGE2
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS, PROSTAGLANDIN E

PGG2
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS

PGH2, PROSTAGLANDIN H
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS

PH
SEE BODY FLUID BALANCE, ACID-BASE

PH (HYDROGEN ION CONCENTRATION)
SEE ACIDS-BASES, HYDROGEN-ION CONCENTRATION

PHAGE
SEE VIRUSES, BACTERIOPHAGE*

PHAGOCYTES
SEE CELLS, PHAGOCYTES

PHAGOCYTOSIS
SEE CELL INGESTION, PHAGOCYTOSIS

PHARMACOLOGY
SEE DRUGS, PHARMACOLOGY

PHARMACOLOGY, BIOCHEMICAL
SEE DRUGS, PHARMACOLOGY, BIOCHEMICAL

PHARYNGEAL DISORDERS DIAGNOSIS
SEE ORAL-PHARYNGEAL DISORDERS DIAGNOSIS (INCL EXAMS)*

PHARYNX
SEE ORAL-PHARYNGEAL, PHARYNX

PHASE CHANGE
SEE PHYSICAL PROPERTIES, PHASE CHANGE

PHASE MICROSCOPY
SEE OPTICS, MICROSCOPY, PHASE*

PHASE TRANSITION
SEE PHYSICAL PROPERTIES, PHASE CHANGE

PHENANTHRO(4,5BCD)FURAN-8,9C-IMINOETHANO
SEE ALKALOIDS, MORPHINES

PHENOLIC AMINES, NEOSYNEPHRINE
R01DE-06115-02 Protein phosphorylation in parotid gland secretion (rabbits)

PHENOLS, POLYPHENOLS
R01DE-05956-05 The adhesive of Mytilus byssus
** R43DE-07266-01 Mytilus edulis polyphenolic protein--Adhesive system development

PHENOTYPE
SEE GENETICS, GENES, GENE EXPRESSION

PHENYLALANINE ANALOGS
SEE CYCLIC AMINO ACIDS, PHENYLALANINE ANALOGS

PHENYLALKYLAMINES, CATECHOLAMINES
SEE ALSO CYCLIC AMINO ACIDS, DOPA
SEE ALSO NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC
R01DE-05550-05 Differentiation during craniofacial embryogenesis (mice)
R01DE-06553-03 Arachidonate metabolism and orofacial development (mice)

PHENYLALKYLAMINES, CATECHOLAMINES, L-HYDROXYDOPAMINE
R01DE-06185-02 Sympathectomized salivary glands--Cystic fibrosis model (rats)

PHENYLALKYLAMINES, CATECHOLAMINES, ISOPROTERENOL
R01DE-03666-09 X-ray therapeutic index for salivary glands (rodents, human)
R01DE-05249-06 Salivary secretion - role of calcium (mice)
R01DE-06000-05 Effect of parotid function on saliva and cells (rats)
R01DE-06115-02 Protein phosphorylation in parotid gland secretion (rabbits)
R01DE-06511-03 Parotid secretion- Selective cAMP-PK isozyme activation (rabbits, rats)

PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE
R01DE-04786-06 Dental and orofacial pain- Brain stem mechanisms (cats)
R01DE-06185-02 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-06913-03 Modulating role of prostaglandins in salivary glands (rats)

PHENYLAMIDES, ACETAMINOPHEN
R03DE-07012-02 Therapeutic regimens for dental surgery
R03DE-07170-01 Pharmacological control of post-operative swelling (human)

PHENYLCARBOXYLATES, BENZOATES
R03DE-06675-02 Biological evaluation of a new dental cement (rats)

PHENYLCARBOXYLATES, SALICYLATES
R03DE-07170-01 Pharmacological control of post-operative swelling (human)

PHENYLCARBOXYLATES, SALICYLATES, ACETYL-
R01DE-06427-04 Permeability characteristics of dentin (dogs, human)
P01DE-06946-02 0005 Pathophysiology of MPD and other facial pain syndromes - Diazepam, chlorazepate, carisprodol in MPD syndrome chemotherapy (human)
R03DE-07012-02 Therapeutic regimens for dental surgery

PHENYLEPHRINE
SEE PHENOLIC AMINES, NEOSYNEPHRINE

PHENYTOIN
SEE IMIDAZOLEDIONES, HYDANTOINS, DIPHENYLHYDANTOIN

PHEROMONES
SEE ENDOCRINOLOGY, SOCIAL HORMONES AND PHEROMONES

PHONETICS
SEE INFORMATION-COMMUNICATION BEHAVIOR, SPEECH

PHONOARTHROGRAPHY
SEE SKELETAL DISORDERS DIAGNOSIS, SKELETAL SOUND MEASUREMENTS*

PHOSPHATASES
R01DE-07267-02 Periodontopathic bacteria-Chemical-biologic nature (animals)

PHOSPHATASES, ADENOSINE TRIPHOSPHATASE
SEE ALSO MUSCLE PROTEINS (AND CONTRACTILE PROTEINS), MYOSIN
P50DE-02668-19 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
R01DE-02774-17 Tissue interaction in palatal shelf closure (mice)
R01DE-03917-10 Fluoride and the metabolism of plaque bacteria
R01DE-05262-06 Mineralization in oral biology (mice, rats)
R01DE-05586-05 Cell surface studies of the enamel organ (mice)
R01DE-05769-07 Ultrastructure of tooth development (rats)
R01DE-05978-03 Lipid nutrition, membrane fluidity and enzymes (rats)
R01DE-06071-02 Calcium metabolism in Streptococcus mutans
R01DE-06127-03 Acid-base physiology of oral streptococci
R01DE-06185-02 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-07341-01 Second messenger function in exocrine glands (rats)

PHOSPHATES
SEE ALSO CALCIUM PHOSPHATES
SEE ALSO NUCLEOTIDES
R01DE-01912-22 Tooth enamel apatite at the atomic level (human)
P50DE-02670-19 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
R01DE-03223-15 Kinetics of mineralization of teeth (human)
R01DE-03915-12 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)
R01DE-04385-10 Mechanism of dental caries
R01DE-05289-07 Uptake and binding by early enamel matrix (rats)
R01DE-05839-03 In vivo vs in vitro cement solubility--Correlative study
R01DE-06569-04 Quantitation of enamel demineralization mechanisms
R01DE-06761-02 Prevention of surface zone limited caries of enamel
R23DE-06829-03 Acid etching and remineralization of enamel caries in vitro
R01DE-06996-01 Biological molecules in the corrosion of dental alloys
P50DE-07003-02 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)
P50DE-07003-02 0008 Rochester caries research center - Identifying caries susceptible subjects
P50DE-07010-02 0001 Specialized caries research center - Prevention of caries in overdenture abutments (humans)
R03DE-07299-01 Ultramicro analysis of plaque samples from single sites

PHOSPHATES, FLUOROPHOSPHATES
** R01DE-06128-02 Synthesis-testing of a herpesvirus antiviral agent

PHOSPHATES, PYROPHOSPHATES
R01DE-05262-06 Mineralization in oral biology (mice, rats)

PHOSPHATIDES
SEE PHOSPHOLIPIDS

PHOSPHATIDYL AMINO ACIDS
SEE AMINO ACIDS

PHOSPHATIDYL POLYGLYCEROL
SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, CARDIOLIPINS

PHOSPHATIDYL SERINE
SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PHOSPHATIDYL SERINE

PHOSPHAZENES
** R01DE-04814-06 Clinical evaluation of PNF permanent soft denture liners

PHOSPHOENOLPYRUVATE
SEE FATTY ACIDS, PYRUVATES, PHOSPHOENOLPYRUVATE

D-2-PHOSPHOGLYCERATE HYDROLYASE
SEE DEHYDRATASES, D-2-PHOSPHOGLYCERATE HYDROLYASE

PHOSPHOGLYCERIC ACIDS
SEE TRIOSE ACIDS, GLYCERIC ACID PHOSPHATES

PHOSPHOLIPASE
P50DE-02623-18 0030 Center for oral health research - Cellular control of mineralization
R23DE-07107-02 Cyclic nucleotides and prostaglandins in cleft palate (mice)

PHOSPHOLIPASE, LECITHINASE A
R01DE-04141-11 Mechanism of hard tissue mineralization (human, rats)
R01DE-04622-09 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-06553-03 Arachidonate metabolism and orofacial development (mice)

PHOSPHOLIPASE A
SEE PHOSPHOLIPASE, LECITHINASE A

PHOSPHOLIPIDS
P50DE-02668-19 0190 Regional dental research center - Thrombin and prothrombin
R01DE-03578-14 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-03738-13 Humoral and cellular mediators of inflammation (human, mammals)
R01DE-04141-11 Mechanism of hard tissue mineralization (human, rats)
R01DE-05626-05 Role of complement in periodontal disease
R01DE-05666-05 Biochemistry of salivary lipids (rats, human)
R01DE-05764-06 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-05932-05 The role of lipoproteins in microbial calcification
R01DE-05937-05 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06533-03 Vesicles and endochondral bone formation (chickens)
R01DE-06860-02 Complement monocyte interactions in periodontal disease
R01DE-07168-02 Membrane function during germination of Candida albicans (mice)
R23DE-07208-01 LPS-monocyte interactions in periodontal disease (guinea pigs)

PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, CARDIOLIPINS
R01DE-06748-02 Synthesis and function of polymers in oral bacteria (rats)

PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PHOSPHATIDYL SERINE
R01DE-05769-07 Ultrastructure of tooth development (rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
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PHOSPHOMONOESTERASES, ACID PHOSPHATASE
P01DE-01850-22 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
** R01DE-05210-06 Acid phosphatases in developing bones and teeth (rabbits, rats)
R01DE-06949-01 In vitro bone resorption by products of oral bacteria (animals)

PHOSPHOMONOESTERASES, ALKALINE PHOSPHATASE
P01DE-01850-22 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
P01DE-01850-22 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
R01DE-04008-11 Cellular and developmental control of calcification (chick embryo)
R01DE-04141-11 Mechanism of hard tissue mineralization (human, rats)
R01DE-05262-06 Mineralization in oral biology (mice, rats)
R01DE-05769-07 Ultrastructure of tooth development (rats)
R01DE-06533-03 Vesicles and endochondral bone formation (chickens)
R03DE-06821-02 Regulation of bone cells three dimensional culture models (mice)
R03DE-06940-01 Comparisons of microvessels and osteoblasts in vitro

PHOSPHONATES
P50DE-02670-19 0014 Institute of dental research - Intraoral and in vitro studies of dental caries

PHOSPHONATES, DIPHOSPHONATES
R01DE-04724-07 Cellular events in bone remodeling (rats, mice, chickens)
R01DE-06569-04 Quantitation of enamel demineralization mechanisms

PHOSPHONITRILES
SEE PHOSPHAZENES

PHOSPHOPEPTIDES
SEE ALSO PHOSPHOPROTEINS
R01DE-05672-03 Anionic salivary proteins in dental integuments (Macaca facicularis)

PHOSPHOPROTEINS
SEE ALSO PHOSPHOPEPTIDES
R01DE-01374-25 Matrix component interactions in bone and dentin (rabbits, rats, mice)
P50DE-02670-19 0003 Institute of dental research - Macromolecules of mineralized tissues
R01DE-05092-07 Proteins involved in dentinogenesis
** R01DE-05672-03 Anionic salivary proteins in dental integuments (Macaca facicularis)
** R23DE-06896-02 Nonenzymatic reactions in human dentin proteins
** P50DE-07003-02 0004 Rochester caries research center - Salivary pellicle and dental caries (human)

PHOSPHOPYRUVATE HYDRATASE
SEE DEHYDRATASES, D-2-PHOSPHOGLYCERATE HYDROLYASE

PHOSPHORINS
SEE ALSO HALOALKYLAMINES, CYCLOPHOSPHAMIDE
R01DE-01374-25 Matrix component interactions in bone and dentin (rabbits, rats, mice)

PHOSPHORUS
P50DE-02670-19 0020 Institute of dental research - Effects of trace elements on tooth development and caries
R01DE-04186-08 Kinetics and mechanism of action of fluorides (human)
R01DE-05289-07 Uptake and binding by early enamel matrix (rats)
R01DE-06765-02 Ion transport through the maturation stage enamel organ (cows, rats)
R03DE-07319-02 Intermicroscopic correlation of remineralization

PHOSPHORUS BALANCE (METABOLISM)
SEE CALCIUM (MINERAL) BALANCE, PHOSPHORUS BALANCE (METABOLISM)

PHOSPHORUS COMPOUNDS (GENERAL)
P50DE-02668-19 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel

PHOSPHORYLATION
R01DE-03917-10 Fluoride and the metabolism of plaque bacteria
R01DE-05251-06 Salivary gland secretory mechanisms (rats)
R01DE-05494-06 Activation of macrophages in periodontal disease (mice)
R01DE-05966-04 Mechanisms of sugar transport in streptococcus mutans
** R01DE-06115-02 Protein phosphorylation in parotid gland secretion (rabbits)
R01DE-06991-02 Plasma membranes and secretory granules in secretion (rats, rabbit)
P50DE-07003-02 0004 Rochester caries research center - Salivary pellicle and dental caries (human)
R03DE-07051-01 HPLC analysis of purine nucleosides in crevicular fluid
R01DE-07341-01 Second messenger function in exocrine glands (rats)

PHOSPHOSERINE
SEE AMINO ACIDS, PHOSPHOSERINE

PHOSPHOTRANSFERASES
R01DE-03246-16 Biochemical mechanisms relevant to dentistry
** R01DE-05966-04 Mechanisms of sugar transport in streptococcus mutans
R23DE-07318-01 Functional role of IgA antibodies to Streptococcus mutans (rabbits)

PHOSPHOTRANSFERASES, ATP:PYRUVATE PHOSPHOTRANSFERASE
R01DE-04387-09 Effect of fluoride on cAMP and glucose metabolism (rats)

PHOSPHOTRANSFERASES, PROTEIN KINASES (GENERAL)
** R01DE-06511-03 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)
R01DE-07341-01 Second messenger function in exocrine glands (rats)

PHOTOCHEMISTRY
P50DE-02668-19 0150 Regional dental research center - Polymerization of tooth restorative composite materials

PHOTOPERIODISM
SEE BIOPERIODICITY, CIRCADIAN RHYTHMS

PHOTOTHERAPY, LASER THERAPY
** R03DE-07308-01 Co2 lasers in preventative dentistry - safety parameters (dogs)

PHYLOGENY
SEE BIOLOGY, SYSTEMATIC, EVOLUTION AND PHYLOGENY

PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL)
SEE ALSO NEOPLASTIC TRANSFORMATION, CARCINOGENS, COCARCINOGENS
SEE ALSO NEOPLASTIC TRANSFORMATION, CARCINOGENS, TUMOR PROMOTERS
SEE ALSO RADIOSENSITIZERS (GENERAL)
** P50DE-02623-18 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
** P50DE-02668-19 0190 Regional dental research center - Thrombin and prothrombin
P50DE-02670-19 0029 Institute of dental research - Structure and interactions of proteoglycans
P50DE-02731-19 0031 Development support for dental research institute - Biochemistry laboratory (human)
P50DE-02731-19 0035 Development support for dental research institute - Immunology laboratory
** P01DE-02848-15 0009 Biology of connective tissue, bones, and teeth - Epithelial-mesenchymal interactions and palate morphogenesis
** R01DE-03915-12 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
R01DE-04123-09 Enamel apatites relating to caries susceptibility (human, animals)
** R01DE-05067-07 Interaction of topical fluoride with human enamel (rats, hamsters)
** R01DE-06555-03 Cell surface interactions of oral plaque bacteria (rabbits)
R01DE-06746-02 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
** R01DE-06860-02 Complement monocyte interactions in periodontal disease
** P50DE-07010-02 0007 Specialized caries research center - Bacterial interrelationships in an animal model (rats)
** R23DE-07075-01 Tissue interactions in root development (mice)
** R01DE-07120-02 Cell-substrate interaction in craniofacial morphogenesis
** R03DE-07140-01 In vitro interactions of bacteria from periodontitis
** R03DE-07169-01 Periodontal disease in sickle cell anemia
** R23DE-07206-01 LPS-monocyte interactions in periodontal disease (guinea pigs)
** R23DE-07256-02 Attachment protein interaction with periodontal bacteria (mice)
** R03DE-07282-01 Basal ganglia trigeminal interactions (cats)
R03DE-07311-01 Isolation of antibacterial peptides from human PMNs (rabbits)

PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL), TOXICANTS INTERACTION
R01DE-07713-01 Low dose x-radiation effects on DMBA-DNA interactions

PHYSICAL CHANGES IN STATES OF MATTER
SEE PHYSICAL PROPERTIES, PHASE CHANGE

PHYSICAL MODELS
SEE MODELS, STRUCTURAL MODELS

PHYSICAL PROPERTIES (STATES)(PROCESSES)
SEE ALSO CHEMICAL STRUCTURE
SEE ALSO DENTAL MATERIALS, WEAR
SEE ALSO ELECTRICITY, MAGNETISM, MAGNETICS (GENERAL)
SEE ALSO MOLECULAR WEIGHT
SEE ALSO TEMPERATURE (SEE ALSO THERM...)
** R01DE-05956-05 The adhesive of Mytilus byssus

PHYSICAL PROPERTIES, ADHESION
SEE ALSO CELL ADHESION
SEE ALSO DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, AGGLUTINATION REACTION (AGGLUTININ)*
** R01DE-04614-09 Adherence of oral streptococci to hydroxyapatite
** R01DE-05945-04 Physicochemical modifications of dental restoratives
** R23DE-06987-01 Study of surfactant use in restorative materials
** R43DE-07266-01 Mytilus edulis polyphenolic protein--Adhesive system development

PHYSICAL PROPERTIES, ADSORPTION
R01DE-03917-10 Fluoride and the metabolism of plaque bacteria
R23DE-06757-02 Myeloperoxidase selective killing of oral bacteria (rabbits)

PHYSICAL PROPERTIES, COLLOIDS, GELS
R01DE-04096-07 Biocompatibility of endodontic materials (guinea pigs, rats, monkeys)
** P50DE-07010-02 0001 Specialized caries research center - Prevention of caries in overdenture abutments (humans)
N01DE-52556-00 Effect of brushing with fluoride gel on gingivitis

PHYSICAL PROPERTIES, CRYSTALS, CRYSTALLIZATION
P50DE-02670-19 0031 Institute of dental research - X-ray crystallography program
R01DE-05932-05 The role of lipoproteins in microbial calcification
R01DE-07223-01 Magnesium and calcium phosphate formation and stability (humans, fish)
R03DE-07410-01 Effect of fluoride nucleation on glass-ceramic formation

PHYSICAL PROPERTIES, DENSITY (SPECIFIC GRAVITY)
R01DE-05945-04 Physicochemical modifications of dental restoratives

PHYSICAL PROPERTIES, DENSITOMETRY*
R01DE-06179-03 Radiopaque restorative and prosthetic dental resins

PHYSICAL PROPERTIES, DIFFUSION
SEE ALSO BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT
SEE ALSO BIOLOGICAL TRANSPORT, PASSIVE TRANSPORT, DIFFUSION
R01DE-01912-22 Tooth enamel apatite at the atomic level (human)
** R01DE-06201-01 Water sorption of glassy dental polymers

PHYSICAL PROPERTIES, ELASTICITY
SEE ALSO PHYSICAL PROPERTIES, VISCOSITY-VISCOELASTICITY
SEE ALSO PLASTICS, ELASTOMERS
R01DE-05321-06 Titanium alloys in dentistry
R01DE-05945-04 Physicochemical modifications of dental restoratives
R01DE-06859-01 Biomechanics of the mandible (human)
R23DE-07079-01 Effect of composition on fracture and creep of composite
** R03DE-07127-01 Deactivation behavior of orthodontics wires in flexure

PHYSICAL PROPERTIES, MECHANICAL PRESSURE
SEE ALSO PHYSICAL PROPERTIES, TENSILE STRENGTH
** R01DE-03553-11 Force systems from orthodontic appliances
R01DE-05418-06 In vivo forces on endosseous dental implants (dogs)
R01DE-05980-02 Stress analysis of mandibular partial dentures
R01DE-06563-03 Microstructure vs. deterioration of amalgam restorations
** R44DE-06779-03 Evaluation of a new automated periodontal probe
R23DE-07079-01 Effect of composition on fracture and creep of composite

PHYSICAL PROPERTIES, MECHANICAL STRESS
P50DE-02600-19 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
R01DE-04531-06 Strain in the facial bones (monkeys)
R01DE-06374-04 Semi- and nonprecious metal porcelain systems
** R01DE-06563-03 Microstructure vs. deterioration of amalgam restorations
R23DE-07079-01 Effect of composition on fracture and creep of composite
R43DE-07397-01 Alloy/solder interfaces--TEM microstructure vs strength

PHYSICAL PROPERTIES, PARTICLES
R43DE-07528-01 Immuno-diagnostic probe for periodontitis

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**Oriented significantly to above subject.

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PHYSICAL PROPERTIES, PHASE CHANGE
R01DE-05945-04 Physicochemical modifications of dental restoratives

PHYSICAL PROPERTIES, SOLID STATE, AMORPHOUS SOLIDS
SEE ALSO MOLECULAR CONDENSATIONS, RESINS
SEE ALSO SILICATES, GLASS
R01DE-06201-01 Water sorption of glassy dental polymers

PHYSICAL PROPERTIES, SOLID STATE, HARDNESS
R44DE-06779-03 Evaluation of a new automated periodontal probe
R23DE-07079-01 Effect of composition on fracture and creep of composite
R23DE-07328-01 A quantitative study of lesion formation in animal models (also human)
R03DE-07410-01 Effect of fluoride nucleation on glass-ceramic formation

PHYSICAL PROPERTIES, SOLUBILITY
** R01DE-03187-14 Transport in enamel and solubility of enamel (human)
** R01DE-05030-07 Crystal chemistry of calcium phosphates (human, rats)
** R01DE-05839-03 In vivo vs in vitro cement solubility-Correlative study

PHYSICAL PROPERTIES, SOLUTES
R01DE-06427-04 Permeability characteristics of dentin (dogs, human)
R03DE-07299-01 Ultramicro analysis of plaque samples from single sites

PHYSICAL PROPERTIES, SOLVENTS
R23DE-07079-01 Effect of composition on fracture and creep of composite

PHYSICAL PROPERTIES, SOUND
SEE ALSO EAR, HEARING, AUDIOSTIMULUS
** R03DE-07143-01 Sounds of normal and impaired swallow (humans)

PHYSICAL PROPERTIES, SOUND, ULTRASONIC SCANNING*
** R03DE-07019-02 Ultrasonic detection of oral markers (human)

PHYSICAL PROPERTIES, SOUND, ULTRASOUND, DIAGNOSTIC
SEE ALSO PHYSICAL PROPERTIES, SOUND, ULTRASONIC SCANNING*
** R03DE-07019-02 Ultrasonic detection of oral markers (human)

PHYSICAL PROPERTIES, SOUND IMPEDANCE
R03DE-06799-02 Speech prostheses in orofacial cancer patients

PHYSICAL PROPERTIES, SURFACE PROPERTIES (GENERAL)
SEE ALSO MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)
** P01DE-02847-17 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
R01DE-04814-06 Clinical evaluation of PNF permanent soft denture liners
R01DE-04883-08 Nature of alloy systems for crown and bridge restorations (human)
R01DE-05354-08 Prevention of dental caries
R01DE-05519-06 Oxidation behavior of Ni-base crown and bridge alloys
R01DE-05945-04 Physicochemical modifications of dental restoratives
R01DE-06564-04 Remineralization of enamel caries in vitro (human)
** R01DE-06730-02 Dental implant surfaces impeding epithelial migration (rats)
R23DE-07079-01 Effect of composition on fracture and creep of composite

PHYSICAL PROPERTIES, SURFACTANTS
R01DE-05945-04 Physicochemical modifications of dental restoratives
R01DE-06564-04 Remineralization of enamel caries in vitro (human)
R01DE-06569-04 Quantitation of enamel demineralization mechanisms
** R23DE-06987-01 Study of surfactant use in restorative materials

PHYSICAL PROPERTIES, SURFACTANTS, DETERGENTS
SEE ALSO DENTIFRICES
R01DE-03731-10 Studies on the dextran sucrase of Streptococcus sanguis

PHYSICAL PROPERTIES, TENSILE STRENGTH
** P50DE-02668-19 0149 Regional dental research center - Strengths of polymers in tooth restorative materials
R01DE-03953-11 Force systems from orthodontic appliances
R01DE-04883-08 Nature of alloy systems for crown and bridge restorations (human)
R01DE-05980-02 Stress analysis of mandibular partial dentures
R01DE-06563-03 Microstructure vs. deterioration of amalgam restorations
R23DE-07079-01 Effect of composition on fracture and creep of composite
R03DE-07410-01 Effect of fluoride nucleation on glass-ceramic formation

PHYSICAL PROPERTIES, VISCOSITY-VISCOELASTICITY
R03DE-07410-01 Effect of fluoride nucleation on glass-ceramic formation

PHYSICAL SEPARATION, CHROMATOGRAPHY, HIGH PRESSURE LIQUID*
** R03DE-07051-01 HPLC analysis of purine nucleosides in crevicular fluid

PHYSICAL THERAPY
SEE HEALTH CARE SERVICES, PHYSICAL THERAPY

PHYSICALLY HANDICAPPED
SEE DISEASES, DISABLING, HANDICAPPED

PHYSICIANS
SEE HEALTH SCIENCES PROFESSIONS, PHYSICIANS

PHYSIOLOGICAL CHEMISTRY STUDY SECTION
** R01DE-03578-14 Biosynthetic study of dental plaque polysaccharides (bacteria)
** R01DE-03731-10 Studies on the dextran sucrase of Streptococcus sanguis

PHYSIOLOGICAL PSYCHOLOGY
SEE PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY

PHYSIOLOGICAL STRESSORS
SEE STRESS, PHYSIOLOGICAL STRESSORS

PHYSIOLOGY (GENERAL)*
SEE ALSO CELLULAR PHYSIOLOGY REVIEW GROUP
SEE ALSO ELECTROPHYSIOLOGY
SEE ALSO MICROBIAL PHYSIOLOGY AND GENETICS STUDY SECTION
SEE ALSO NEUROPHYSIOLOGY (GENERAL)
SEE ALSO PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY
P50DE-02623-18 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
** P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
** R01DE-06644-03 Physiology of oral bacteria--Sugar, PH and F relations

PHYSIOPSYCHOLOGY
SEE PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY

PHYTOAGGLUTININS
SEE PLANTS PROTEINS, LECTINS

PHYTOLACCA SP.
SEE PLANTS, ANGIOSPERMS, POKEWEED*

PHYTOLACCACEAE
SEE PLANTS, ANGIOSPERMS, POKEWEED*

PHYTOMITOGENS
SEE PLANTS PROTEINS, LECTINS

PICTORIAL DATA PROCESSING (COMPUTER)
SEE OPTICS, IMAGE PROCESSING ANALYSIS AND DISPLAY*

PIERRE ROBIN SYNDROME
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, PIERRE-ROBIN SYNDROME

PIGEON BERRY
SEE PLANTS, ANGIOSPERMS, POKEWEED*

PIGMENTATION
R01DE-06557-02 Effects of barium on human enamel and dental caries (rats)

PIGMENTS
SEE ALSO TERPENES, CAROTENE
R01DE-04136-11 Maxillofacial materials--Color study (human)

PIGMENTS, BACTERIAL
** R01DE-07344-01 Black-pigmented bacteroides--Drug resistance and virulence

PILI
SEE CELL COMPONENTS, PILI

PILLS
SEE DOSAGE FORMS

PINOCYTOSIS
SEE CELL INGESTION, PINOCYTOSIS

PIPE SMOKING
SEE PSYCHOLOGY, HABITS, SMOKING

PITRESSIN
SEE PITUITARY-DIENCEPHALON HORMONES, VASOPRESSIN

PITUITARY-DIENCEPHALON HORMONES, ENDORPHINS
SEE ALSO NEUROTRANSMITTERS, RECEPTORS, ENDORPHIN RECEPTORS
SEE ALSO PEPTIDES, ENKEPHALIN
** R01DE-05369-07 Factors affecting dental postoperative pain (human)
** R01DE-06894-01 Nitrous oxide and endorphins (rats)
R01DE-06900-01 Immunology of oral herpes simplex viral infections (human)

PITUITARY-DIENCEPHALON HORMONES, NEUROTENSIN
R01DE-06682-03 CNS modulation of orofacial input (rats, cats)
** R01DE-06894-01 Nitrous oxide and endorphins (rats)

PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN
SEE ALSO PANCREATIC ISLETS FUNCTION
R01DE-06682-03 CNS modulation of orofacial input (rats, cats)

PITUITARY-DIENCEPHALON HORMONES, VASOPRESSIN
** R01DE-06894-01 Nitrous oxide and endorphins (rats)

PLACEBO EFFECT
SEE THERAPY, PLACEBO EFFECT

PLACENTAL BARRIER
SEE PREGNANCY CIRCULATION, PLACENTAL TRANSFER

PLACENTAL TRANSFER
SEE PREGNANCY CIRCULATION, PLACENTAL TRANSFER

PLANT MODELS OF HUMAN DISEASES
SEE MODELS, DISEASE MODELS

PLANTS, ANGIOSPERMS, POKEWEED*
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

PLANTS EXTRACTS, POKEWEED EXTRACTS
P50DE-02600-19 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)

PLANTS PROTEINS, LECTINS
SEE ALSO PROTEINS, LECTINS (NON-PLANT)
P01DE-02847-17 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
** R23DE-06945-03 Identification of microbial lectins (rabbits)
P50DE-07003-02 0002 Rochester caries research center - Immunochemical studies of actinomyces viscosus polysaccharides (rats)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)

PLAQUE
SEE DENTAL DEPOSITS, PLAQUE

PLAQUE REMOVAL
SEE DENTAL DEPOSITS REMOVAL

PLASMA
SEE BLOOD AND RE SYSTEM, BLOOD, PLASMA

PLASMA MEMBRANE
SEE CELL COMPONENTS, CELL MEMBRANE

PLASMA MEMBRANE RECEPTORS
SEE RECEPTORS OF NON-SENSORY STIMULI (GENERAL)

PLASMA PROTEINS
SEE BLOOD PROTEINS

PLASMALEMMA
SEE CELL COMPONENTS, CELL MEMBRANE

PLASMID CLONING
SEE GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING

PLASMIDS
SEE GENETICS, EXTRACHROMOSOMAL INHERITANCE, PLASMIDS

PLASMIN ACTIVATORS
SEE BLOOD COAGULATION, PLASMINOGEN ACTIVATORS

PLASMINOGEN
SEE BLOOD COAGULATION, PLASMINOGEN

PLASMINOGEN ACTIVATORS
SEE BLOOD COAGULATION, PLASMINOGEN ACTIVATORS

PLASMODESMATA
SEE CELL-CELL INTERACTION, INTERCELLULAR CONNECTIONS, JUNCTIONS

PLASTIC SURGERY
SEE SURGERY, PLASTIC

PLASTICITY, NEURONAL
SEE NEUROPHYSIOLOGY, NEUROPLASTICITY

PLASTICS, ACRYLIC POLYMERS
R01DE-04814-06 Clinical evaluation of PNF permanent soft denture liners
R01DE-05945-04 Physicochemical modifications of dental restoratives
R01DE-06179-03 Radiopaque restorative and prosthetic dental resins

PLASTICS, ACRYLIC POLYMERS, METHACRYLATES
R01DE-05945-04 Physicochemical modifications of dental restoratives
R01DE-06179-03 Radiopaque restorative and prosthetic dental resins
R03DE-06677-02 Vascular casting of the dental pulp (cats)
(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
Agenda for investigator's name and Grant Number

N01DE-52555-00 Methods for the intraoral fluoride releasing device
N01DE-52557-00 Clinical trial of an adhesive material

PLASTICS, ELASTOMERS
SEE ALSO PLASTICS, SILICONE RUBBER
R01DE-04136-11 Maxillofacial materials--Color study (human)
** R01DE-04814-06 Clinical evaluation of PNF permanent soft denture liners
R01DE-06409-03 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)

PLASTICS, FLUOROCARBON POLYMERS
P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)

PLASTICS, POLYETHYLENES
R01DE-04814-06 Clinical evaluation of PNF permanent soft denture liners
** R01DE-06300-03 porous polyethylene and porous polysulfone for th roots (monkeys)
** R01DE-06409-03 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)

PLASTICS, POLYURETHANES
R01DE-04814-06 Clinical evaluation of PNF permanent soft denture liners
R01DE-06409-03 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)

PLASTICS, POLYVINYLS
SEE ALSO PLASTICS, POLYETHYLENES
SEE ALSO PLASTICS, STYRENE POLYMERS
R01DE-06409-03 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)

PLASTICS, SILICONE RUBBER
R01DE-04814-06 Clinical evaluation of PNF permanent soft denture liners

PLASTICS, STYRENE POLYMERS
R01DE-04814-06 Clinical evaluation of PNF permanent soft denture liners

PLATELET ACTIVATING FACTOR
SEE BLOOD PLATELETS, PLATELET ACTIVATING FACTOR

PLATELET DERIVED GROWTH FACTOR
SEE GROWTH FACTORS (INCL. ANABOLICS), PLATELET DERIVED GROWTH FACTOR

PLEASURE (EMOTIONS)
SEE PSYCHOLOGY, EMOTIONS, PLEASURE-DISPLEASURE (GENERAL)

PLUMBISM
SEE METALS POISONING, LEAD POISONING

PNEUMOANEMOMETER
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

PNEUMOTACHOGRAPHY, RESPIRATORY
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

POKEWEEDS
SEE PLANTS, ANGIOSPERMS, POKEWEED*

POKEWEED EXTRACTS
SEE PLANTS EXTRACTS, POKEWEED EXTRACTS

POKEWEED MITOGEN
SEE PLANTS EXTRACTS, POKEWEED EXTRACTS

POLARIZATION OPTICS
SEE OPTICAL POLARIZATION*

POLARIZED PUMPING MEMBRANES
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS

POLLUTANTS, ENVIRONMENTAL (GENERAL)
SEE ENVIRONMENTAL HEALTH, CONTAMINATION (GENERAL)

POLLUTION (GENERAL)
SEE AIR POLLUTION
SEE ENVIRONMENTAL HEALTH, CONTAMINATION (GENERAL)

POLYAMINES
SEE AMINES, POLYAMINES

POLYANIONS
SEE IONS, POLYIONS, POLYANIONS

POLYCLONAL ANTIBODIES
SEE IMMUNOLOGY, ANTIBODIES

POLYCYCLIC HYDROCARBONS
SEE CYCLICS, CARBOPOLYCYCLICS

POLYDEOXYRIBONUCLEOTIDE SYNTHETASE
SEE NUCLEASES, REPAIR NUCLEASES

POLYETHYLENES
SEE PLASTICS, POLYETHYLENES

POLYGLUTAMIC ACID
SEE PEPTIDES, HOMOPEPTIDES, GLUTAMYL

POLYMERIZATION
SEE MOLECULAR CONDENSATIONS, POLYMERIZATION, DEPOLYMERIZATION

POLYMERS
SEE MOLECULAR CONDENSATIONS, POLYMERS (GENERAL)

POLYMORPHISM (BIOLOGY)
SEE BIOLOGY, POLYMORPHISM

POLYMORPHISM, SEXUAL (MICROORGANISM)
SEE REPRODUCTION MICROORGANISMS, SEXUAL DIMORPHISM, HETEROGAMY

POLYMORPHONUCLEAR LEUKOCYTE-MEDIATED CYTOTOXICITY
SEE IMMUNITY, CELLULAR, CELL MEDIATED IMMUNE RESPONSES

POLYMORPHONUCLEAR LEUKOCYTES
SEE BLOOD CELLS, LEUKOCYTES, NEUTROPHILS

POLYNUCLEOTIDE LIGASE
SEE NUCLEASES, REPAIR NUCLEASES

POLYNUCLEOTIDE LIGASE (NAD)
SEE NUCLEASES, REPAIR NUCLEASES

POLYNUCLEOTIDE SYNTHETASE (ATP)
SEE NUCLEASES, REPAIR NUCLEASES

POLYNUCLEOTIDE SYNTHETASE (NAD)
SEE NUCLEASES, REPAIR NUCLEASES

POLYPEPTIDE HORMONES
SEE ENDOCRINOLOGY, HORMONES, PEPTIDE-POLYPEPTIDE HORMONES

POLYPEPTIDES
SEE PEPTIDES, POLYPEPTIDES

POLYPHENOLS
SEE PHENOLS, POLYPHENOLS

POLYSACCHARIDES
R01DE-04224-11 Studies on the genetics of oral microflora (rats)
** P50DE-07003-02 0002 Rochester caries research center - Immunochemical studies of actinomyces viscosus polysaccharides (rats)
R23DE-07388-01 Glucan-mediated intraoral demineralization by S mutans (human)

POLYSACCHARIDES, BACTERIAL (GENERAL)
SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL
SEE ALSO PEPTIDOGLYCANS
SEE ALSO POLYSACCHARIDES, TEICHOIC ACID
R01DE-03180-15 Microbiologic studies of the human oral streptococci (also rabbits)
** R01DE-03578-14 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-03995-11 Leukocytes in the pathogenesis of periodontal disease (human, mice, bacteria)
R01DE-06880-02 Host defense mechanism to oral bacteria (mice, rabbits, human)
R01DE-07168-02 Membrane function during germination of Candida albicans (mice)
R01DE-07267-02 Periodontopathic bacteria--Chemical-biologic nature (animals)
R01DE-07686-01 Regulation of antibody response to bacterial antigens (bacteria, mice)

POLYSACCHARIDES, GLYCOSAMINOGLYCANS
SEE ALSO POLYSACCHARIDES, LIPOPOLYSACCHARIDES
P50DE-02731-19 0031 Development support for dental research institute - Biochemistry laboratory (human)
R01DE-02774-17 Tissue interaction in palatal shelf closure (mice)
** R01DE-04316-09 Environmental control of neural crest development (mouse, chick embryos)
R01DE-05379-05 Morphogenesis and maturation of craniofacial sutures (animals)
R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)
R01DE-05550-05 Differentiation during craniofacial embryogenesis (mice)
R01DE-05630-05 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
R23DE-06243-03 The extracellular matrix in neural crest formation (mice, chick, rat)
R01DE-06397-03 Biochemical aspects of orofacial development
R01DE-06553-03 Arachidonate metabolism and orofacial development (mice)
R01DE-06671-03 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)
R23DE-06739-02 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
R23DE-06849-03 Identification of intraoral mucosal wound hyaluronidase (rabbits)
P01DE-06946-02 0011 Pathophysiology of MPD and other facial pain syndromes - Effects of altered position on articular surface of mandibular condyle (rabbits)
P01DE-06946-02 0015 Pathophysiology of MPD and other facial pain syndromes - Healing of surgical defects in retrodiscal tissue (rabbits)
R01DE-06977-02 Oral mucosa in vitro (mice, rats, guinea pigs)
R23DE-07008-01 Synthesis of a craniofacial wound healing factor (human)
R01DE-07086-01 Development of artificial oral mucosa (rabbits)
R01DE-07120-02 Cell substrate interaction in craniofacial morphogenesis
R03DE-07556-01 Investigation of PDGF receptors on U20s osteosarcoma cells (tissue culture)
R23DE-07559-01 Synthesis of a craniofacial wound healing factor (human)

POLYSACCHARIDES, GLYCOSAMINOGLYCANS, CHONDROITIN SULFATE
P50DE-02670-19 0029 Institute of dental research - Structure and interactions of proteoglycans

POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HEPARAN SULFATE
** P50DE-02670-19 0024 Institute of dental research - Biosynthesis of heparin and heparin sulfate
R03DE-07424-01 Bacterial invasion of a basement membrane - like matrix in vitro

POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HEPARIN
P50DE-02668-19 0190 Regional dental research center - Thrombin and prothrombin
** P50DE-02670-19 0024 Institute of dental research - Biosynthesis of heparin and heparin sulfate
R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)
R01DE-06028-02 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
** R23DE-07681-01 Cell growth and bone resorption in periodontal disease (rats, cattle)

POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HYALURONIC ACID
P50DE-02670-19 0029 Institute of dental research - Structure and interactions of proteoglycans
P50DE-02731-19 0031 Development support for dental research institute - Biochemistry laboratory (human)
** R01DE-05838-06 Morphogenetic role of glycosaminoglycans (chick embryo)

POLYSACCHARIDES, LIPOPOLYSACCHARIDES
SEE ALSO GLYCOLIPIDS
SEE ALSO GLYCOLIPOPEPTIDES
R01DE-04217-11 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-05494-06 Activation of macrophages in periodontal disease (mice)
** R23DE-07208-01 LPS-monocyte interactions in periodontal disease (guinea pigs)
R01DE-07267-02 Periodontopathic bacteria--Chemical-biologic nature (animals)

POLYSACCHARIDES, TEICHOIC ACID
** P50DE-02731-19 0034 Development support for dental research institute - Microbial biochemistry laboratory
R01DE-06395-03 Molecular basis of the ecology of oral streptococci
** R01DE-06748-02 Synthesis and function of polymers in oral bacteria (rats)

POLYSTYRENES
SEE PLASTICS, STYRENE POLYMERS

POLYTETRAFLUOROETHYLENES
SEE PLASTICS, FLUOROCARBON POLYMERS

POLYURETHANES
SEE PLASTICS, POLYURETHANES

POLYVINYL ALCOHOLS
SEE PLASTICS, POLYVINYLS

POLYVINYL CHLORIDE
SEE PLASTICS, POLYVINYLS

POLYVINYLS
SEE PLASTICS, POLYVINYLS

PONS
SEE BRAIN, PONS

POPULATION GENETICS HUMAN
SEE GENETICS, POPULATION GENETICS HUMAN

POPULATION GENETICS MICROORGANISMS
SEE GENETICS, POPULATION GENETICS MICROORGANISMS

POPULATION STUDIES ANIMAL, LONGITUDINAL STUDY
R23DE-07182-01 Tooth wear and tooth use in Cercopithecus aethiops (green monkeys)

POPULATION STUDIES CELL
SEE ALSO CELL GROWTH REGULATION
SEE ALSO CELL MIGRATION
P50DE-02600-19 0014 Support for oral biology research center - B and T cell response in periodontal disease (bacteria)
R01DE-04316-09 Environmental control of neural crest development (mouse, chick embryos)
R01DE-04327-10 Mechanical and electrical effects on osteogenesis (rats)
R01DE-05395-06 Stem cells in oral mucosa (mice)
R01DE-05550-05 Differentiation during craniofacial embryogenesis (mice)
** R23DE-06091-03 Primary human cells--A model for materials testing (tissue culture)
R01DE-06955-02 Epidermal growth factor and tooth development (mice)

(cont'd)

*Includes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Identifies significantly to above subject.

M Grant has subprojects describing specific research aspects. See Appendix for investigator's name and Grant Number.

BEST COPY AVAILABLE

R01DE-06977-02 Oral mucosa in vitro (mice, rats, guinea pigs)
** R23DE-07113-02 Isolation and characterization of osteoclasts (chicks)
P50DE-07118-01 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
** R03DE-07404-01 Collagen matrices for oral epithelium in vitro (human, rats)

POPULATION STUDIES HUMAN
SEE ALSO GENETICS, POPULATION GENETICS HUMAN
SEE ALSO PREGNANCY, AGE AT PREGNANCY
R01DE-06418-03 Laboratory and clinical studies of dental fluorosis
P50DE-07003-02 0008 Rochester caries research center - Identifying caries susceptible subjects
R03DE-07130-01 Epidemiology of oral disease in Hispanic Americans
R23DE-07233-01 Multivariate analysis of saliva antimicrobial proteins (humans)
R01DE-07381-01 Prevalence of xerostomia--Relation to selected variables (human)

POPULATION STUDIES HUMAN, EPIDEMIOLOGY
SEE ALSO DIAGNOSTIC SERVICES, MASS SCREENING
SEE ALSO EPIDEMIOLOGY AND DISEASE CONTROL STUDY SECTION
SEE ALSO MENTAL HEALTH EPIDEMIOLOGY
** R01DE-04068-11 Statistical methods in dental research
R01DE-05497-04 Dental disease and work loss (human)
** R01DE-06069-03 A genetic study of cleft lip and cleft palate in Hawaii
** R01DE-06437-03 Incidence and prevalence of root caries in the elderly (human)
** R01DE-06514-04 Oral diseases and diabetes in the Gila River Indian Community
R01DE-06551-02 Stress, host factors, and acute necrotizing gingivitis (human)
P50DE-07009-02 0001 Specialized caries research centers - Clinical studies of root caries (human)
P50DE-07010-02 0004 Specialized caries research center - Carbohydrates in root caries
** R01DE-07030-01 Epidemiology, prevention and treatment of root caries (humans)
** R01DE-07062-01 Cleft lip and palate in Los Angeles Hispanics
** P50DE-07118-01 0001 Periodontal diseases research center - Clinical studies (children)
** R03DE-07124-01 Prevalence of 1 and 2 coronal caries in adults (human)
** R03DE-07130-01 Epidemiology of oral disease in Hispanic Americans
** R01DE-07197-01 Epidemiologic studies of temporomandibular disorders (human)
** R01DE-07204-01 Family studies of early onset periodontitis (human)
** R01DE-07381-01 Prevalence of xerostomia--Relation to selected variables (human)
** N01DE-42553-04 Epidemiologic survey of oral health in adults

POPULATION STUDIES HUMAN, LONGITUDINAL STUDY
** P01DE-01697-23 0039 A research program in craniofacial problems - Otitis media and its consequences (human)
P01DE-01697-23 0040 A research program in craniofacial problems - Pattern recognition for reconstruction of nasal capsular anatomy (primates)
P01DE-01697-23 0041 A research program in craniofacial problems - Effect of palate repair on eustachian tube function (human)
P50DE-02668-19 0191 Regional dental research center - Clinical study of restorative materials
P50DE-02731-19 0035 Development support for dental research institute - Immunology laboratory
P01DE-02812-16 0062 Center for craniofacial anomalies - Growth studies
P01DE-02872-16 0064 Center for craniofacial anomalies - Audiology otologic studies
M P01DE-03568-11 Craniofacial anomalies--Etiology and treatment
P01DE-03568-11 0011 Craniofacial anomalies--Etiology and treatment - Development or growth patterns in craniofacial anomalies (human)
P01DE-03568-11 0012 Craniofacial anomalies--Etiology and treatment - Effects of surgical-orthodontic intervention
R01DE-04068-11 Statistical methods in dental research
P50DE-04881-09 0001 Clinical research in periodontal disease - Diagnosis and treatment of destructive periodontal diseases (human)
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
P50DE-04898-09 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
R01DE-05410-06 Orthodontic treatment effects on craniofacial growth (human)
R01DE-05563-05 The blade implant--Clinical efficacy and safety (human)
** P01DE-05837-05 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
R01DE-06031-03 Population genetics of the Streptococcus mutans complex (human)
** R01DE-06085-03 Interaction of oral spirochetes with periodontal tissues (human, rats)
R01DE-06153-04 Antibody to glucosyltransferase in adults and children
R01DE-06417-02 Factors influencing long term oral self-care (human)
R01DE-06424-01 Development of oral tissues after early undernutrition (human)
R01DE-06514-04 Oral diseases and diabetes in the Gila River Indian Community
R23DE-06546-02 Assessment and treatment of mandibular pain-dysfunction (human)
R01DE-06570-04 Psychosocial evaluation of craniofacial patients
R01DE-06720-02 Resistance of various restorative materials
R03DE-06819-02 TMJ clicking related to orthodontic therapy
R23DE-06832-02 Experimental diabetes and periodontitis (monkeys)
* P01DE-06946-02 0001 Pathophysiology of MPD and other facial pain syndromes - Long-term effects of therapy of TMJ in private practice
** P01DE-06946-02 0006 Pathophysiology of MPD and other facial pain syndromes - General population survey for TMJ clicking
P50DE-07009-02 0001 Specialized caries research centers - Clinical studies of root caries (human)
P50DE-07117-01 0001 Periodontal disease research center - Two monitored patient groups--Clinical component
P50DE-07117-01 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology
P50DE-07117-01 0003 Periodontal disease research center - Two monitored patient groups--Immunology
** P50DE-07118-01 0001 Periodontal diseases research center - Clinical studies (children)
** P50DE-07118-01 0002 Periodontal diseases research center - Clinical microbiological studies (children)
P50DE-07118-01 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
P50DE-07118-01 0004 Periodontal diseases research center - PMN functional studies (children)
P50DE-07118-01 9001 Periodontal diseases research center - Core--Data processing and statistics
R01DE-07197-01 Epidemiologic studies of temporomandibular disorders (human)
R23DE-07233-01 Multivariate analysis of saliva antimicrobial proteins (humans)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)
R01DE-07690-01 Growth and development of the human head
N01DE-12431-06 Clinical trail of a combined MFP-NaF dentifrice

POPULATION STUDIES HUMAN, MORBIDITY
** R01DE-05497-04 Dental disease and work loss (human)

POPULATION STUDIES MICROORGANISMS
SEE ALSO ENVIRONMENT, ECOLOGY ORGANISMS
SEE ALSO GENETICS, POPULATION GENETICS MICROORGANISMS
P50DE-02600-19 0037 Support for oral biology research center - Peridontal microflora (human)
R01DE-05606-05 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)

POPULATION SURVEYS
R01DE-05622-04 Rx for dental patients at risk for endocarditis (dentists)

POPULATION SURVEYS, HEALTH SURVEYS
P01DE-03568-11 0010 Craniofacial anomalies--Etiology and treatment - Components of syndromes and their classification (human)
R03DE-07124-01 Prevalence of 1 and 2 coronal caries in adults (human)

POPULATION SURVEYS, HEALTH SURVEYS, DENTAL
R01DE-05497-04 Dental disease and work loss (human)
** R01DE-06514-04 Oral diseases and diabetes in the Gila River Indian Community
R01DE-06895-02 Implementing preventive dental programs in schools
** P01DE-06946-02 0006 Pathophysiology of MPD and other facial pain syndromes - General population survey for TMJ clicking
R01DE-07030-01 Epidemiology, prevention and treatment of root caries (humans)
R03DE-07130-01 Epidemiology of oral disease in Hispanic Americans
** R01DE-07690-01 Growth and development of the human head
** N01DE-22438-08 Relationship of dietary intake to caries incidence (human)
** N01DE-42553-04 Epidemiologic survey of oral health in adults
N01DE-52556-00 Effect of brushing with fluoride gel on gingivitis

PORCELAINS, DENTAL
SEE DENTAL MATERIALS, PORCELAINS

POSTNATAL
SEE CHILDREN, INFANT NEWBORN (BIRTH TO 4.6 WKS)

POSTOPERATIVE
SEE SURGERY, POSTOPERATIVE

POSTOPERATIVE COMPLICATIONS
SEE DISEASES, COMPLICATIONS, POSTOPERATIVE

POSTURE
SEE SKELETAL MOVEMENT, POSTURE

POTASSIUM
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY POTASSIUM
R01DE-06165-02 Sympathetic/opioid salivary gland control (mice)
R01DE-06818-01 Modulating role of prostaglandins in salivary gland (rats)
R01DE-07342-01 Second messenger function in exocrine glands (rats)

POTASSIUM, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY POTASSIUM

POTASSIUM PUMP
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, POTASSIUM PUMP

POTENTIALS
SEE ELECTROPOTENTIALS

POTENTIATION
SEE DRUGS AND PHYSICAL AND/OR CHEMICAL AGENTS, INTERACTION
SEE PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL)

POWDERS (DOSAGE FORM)
SEE DOSAGE FORMS

PRECANCEROUS CONDITIONS
SEE NEOPLASMS RELATED INTEREST, PRENEOPLASTIC CONDITIONS

PREDICTION OF BEHAVIOR
SEE PSYCHOLOGY, BEHAVIOR PREDICTION

PREDICTION OF DISEASE OUTCOME
SEE DISEASES, PROGNOSIS

PREDISPOSITION TO DISEASE
SEE DISEASE PRONENESS-RISK

PREGNANCY
SEE ALSO CONGENITAL ABNORMALITIES
SEE ALSO EMBRYOLOGY (HUMAN) AND DEVELOPMENT STUDY SECTION
SEE ALSO NUTRITION, MATERNAL-FETAL NUTRITION
** R01DE-06007-03 Periodontal tissue changes during pregnancy-lactation (rats)

PREGNANCY, AGE AT PREGNANCY
R01DE-07062-01 Cleft lip and palate in Los Angeles Hispanics

PREGNANCY, EMBRYO-FETUS
SEE ALSO EMBRYOLOGY, EARLY EMBRYONIC STAGES (1-28 DAYS)
SEE ALSO EMBRYOLOGY, EMBRYO-FETAL CELLS AND TISSUES
SEE ALSO GENETICS, DEVELOPMENTAL GENETICS
** R01DE-05379-05 Morphogenesis and maturation of craniofacial sutures (animals)
** R23DE-07190-01 Craniofacial ossification during anuran metamorphosis
R01DE-07564-01 Enamel proteins

PREGNANCY, EMBRYO-FETUS, GESTATIONAL AGE
P01DE-03610-19 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis
R01DE-06854-02 Steroid hormone receptors in developing teeth (rats)

PREGNANCY, EMBRYO-FETUS CHEMOTHERAPY
** N01DE-32441-06 Effect of prenatal fluoride in preventing dental caries (human)

PREGNANCY, EMBRYO-FETUS CULTURE
R01DE-06425-01 Nutritional studies of tooth development in vitro (mice, rats)

PREGNANCY, EMBRYO-FETUS DRUGS ADVERSE EFFECTS
SEE ALSO CONGENITAL ABNORMALITIES, DRUG INDUCED
SEE ALSO CONGENITAL ABNORMALITIES, TERATOGENIC AGENTS
SEE ALSO PREGNANCY DISORDERS, EMBRYO-FETAL DISORDERS, FETAL ALCOHOL DISORDERS
** R01DE-06272-02 Oxygen and sodium valproate induced craniofacial defects (mice)
R01DE-06911-02 Psychomotor impairment related to arsenic oxide exposure (human, rats)
R01DE-07656-01 Psychomotor impairment related to solvents oxide exposure (human, rats)

PREGNANCY, EMBRYO-FETUS TOXICOLOGY
SEE ALSO CONGENITAL ABNORMALITIES, TERATOGENIC AGENTS
SEE ALSO PREGNANCY, EMBRYO-FETUS DRUGS ADVERSE EFFECTS
** R01DE-07301-01 Combined effects of low mercury and lead exposure (human)

PREGNANCY, PERINATAL
SEE ALSO REPRODUCTIVE SYSTEM, FEMALE, MAMMARY GLANDS, LACTATION

(cont)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

[illegible] Trigeminal primary afferent organization and development (rats)

(PREGNANCY CIRCULATION, PLACENTAL TRANSFER
R01DE-02441-01 Effect of prenatal fluoride in preventing dental caries (human)

PREGNANCY DISORDERS
SEE ALSO PREGNANCY, EMBRYO-FETUS DRUGS ADVERSE EFFECTS
SEE ALSO PREGNANCY, EMBRYO-FETUS TOXICOLOGY
P50DE-02731-19 0031 Development support for dental research institute - Biochemistry laboratory (human)
R01DE-06216-01 Gene-environment interactions in cleft lip mice (monkey)
R01DE-07011-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)
R01DE-07666-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

PREGNANCY DISORDERS, EMBRYO-FETAL DISORDERS, FETAL ALCOHOL DISORDERS
P50DE-02668-19 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
** R01DE-07149-01 Ethanol teratogenicity at early somite stages in mice

PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPPIATE SPECIFICS)
SEE ALSO CONGENITAL ABNORMALITIES, SKELETAL (GENERAL)
P50DE-02668-19 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
R01DE-03610-19 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis
** R01DE-06522-03 Arachidonate metabolism and orofacial development (mice)

PREGNANCY FLUIDS, ALLANTOIC FLUID
R01DE-07431-01 Ultrastructual studies of mineralized tissue (chick, rat)

PREGNANCY LOSS, ABORTION
R03DE-07151-01 Studies on nitrous oxide teratogenesis (rats)

PREGNANCY MEMBRANES, CHORION
R01DE-07431-01 Ultrastructual studies of mineralized tissue (chicks, rats)

PREMATURE AGING
SEE AGING, PREMATURE AGING

PREMATURE INFANT
SEE CHILDREN, INFANT PREMATURE AND LOW BIRTH WEIGHT

PRENEOPLASTIC CONDITIONS
SEE NEOPLASMS RELATED INTEREST, PRENEOPLASTIC CONDITIONS

PREOPERATIVE
SEE SURGERY, PREOPERATIVE

PREPARATION OF BIOMATERIALS
SEE BIOMATERIALS, DEVELOPMENT AND PREPARATION OF BIOMATERIALS

PRESCHOOL
SEE CHILDREN, PRESCHOOL (1 TO 6 YRS)

PRESERVATION
SEE TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES

PRESSURE, MECHANICAL
SEE PHYSICAL PROPERTIES, MECHANICAL PRESSURE

PREVENTION
SEE HEALTH, DISEASE PREVENTION AND CONTROL
SEE INJURY (HAZARDS) PREVENTION AND CONTROL (GENERAL)
SEE NEOPLASMS PREVENTION AND CONTROL

PREVENTIVE DENTISTRY
SEE DENTISTRY, PREVENTIVE

PREVENTIVE MEDICINE
SEE HEALTH, DISEASE PREVENTION AND CONTROL

PRIMATES
SEE MAMMALS, PRIMATES*

PROBE TUBE MICROPHONE
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

PROCARYOTE
SEE BACTERIA (GENERAL)*

PROCOLLAGEN
SEE FIBROUS PROTEINS, COLLAGEN, PROCOLLAGEN

PROFIBRINOLYSIN
SEE BLOOD COAGULATION, PLASMINOGEN

PROGERIA
SEE AGING, PREMATURE AGING

PROGESTINS
P50DE-02668-19 0213 Regional dental research center - Action of androgen on submaxillary gland function

PROGNOSIS (DISEASE RELATED)
SEE DISEASES, PROGNOSIS

PROGRAMMING, COMPUTER
SEE COMPUTER PROGRAMMING*

PROGRESSIVE SYSTEMIC SCLEROSIS
SEE SKIN DISORDERS, SKIN HYPERSENSITIVITY, SCLERODERMA

PROLINE
SEE CYCLIC AMINO ACIDS, PROLINE

PROMOTERS OF TUMORS
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENS, TUMOR PROMOTERS

PRONENESS TO DISEASE
SEE DISEASE PRONENESS-RISK

PROPANOLOL
SEE NAPHTHYLAMINES, PROPRANOLOL

PROPIONIBACTERIUM
SEE BACTERIA, PROPIONIBACTERIACEAE, PROPIONIBACTERIUM*

PROPRANOLOL
SEE NAPHTHYLAMINES, PROPRANOLOL

PROPRIOCEPTION
SEE SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION

2-PROPYL PENTANOIC ACID
SEE CARBOXYLIC ACIDS, 2-PROPYL VALERIC ACID

2-PROPYL VALERIC ACID
SEE CARBOXYLIC ACIDS, 2-PROPYL VALERIC ACID

PROSTACYCLINS METABOLISM
SEE FATTY ACIDS METABOLISM, EICOSANOIDS METABOLISM

PROSTAGLANDIN E
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS, PROSTAGLANDIN E

PROSTAGLANDIN ENDOPEROXIDE SYNTHETASE
SEE OXIDOREDUCTASES, PROSTAGLANDIN SYNTHASE

PROSTAGLANDIN SYNTHASE
SEE OXIDOREDUCTASES, PROSTAGLANDIN SYNTHASE

PROSTAGLANDIN SYNTHETASE
SEE OXIDOREDUCTASES, PROSTAGLANDIN SYNTHASE

PROSTAGLANDINS
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS

PROSTAGLANDINS METABOLISM
SEE FATTY ACIDS METABOLISM, EICOSANOIDS METABOLISM

PROSTATE
SEE REPRODUCTIVE SYSTEM MALE, PROSTATE

PROSTHESIS
SEE ALSO DENTAL PROSTHESIS
SEE ALSO ORAL-FACIAL RESTORATION, CLEFT PALATE PROSTHESIS
SEE ALSO ORAL-FACIAL RESTORATION, PROSTHODONTICS
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, IMPLANT
** R01DE-07085-01 Development of artificial oral mucosa (rabbits)

PROSTHESIS IMPLANTS AND COMPATIBILITY
N01DE-52557-00 Clinical trial of an adhesive material

PROSTHETIC ORGANS
SEE PROSTHESIS

PROSTHETIC SPHINCTERS
SEE PROSTHESIS

PROSTHODONTICS
SEE ORAL-FACIAL RESTORATION, PROSTHODONTICS

PROTEASE INHIBITORS
SEE ENZYME INHIBITORS, PROTEASE INHIBITORS (GENERAL)

PROTEASES AND PEPTIDASES
R01DE-04518-09 Streptococcus sanguis receptors for salivary glycoproteins
R01DE-04660-10 Keratohyalin in keratinization--Oral mucosa and skin (human)
R01DE-04897-05 Functional development of salivary glands (rats)
R01DE-05494-06 Activation of macrophages in periodontal disease (mice)
R01DE-06028-02 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
** R01DE-06952-02 Enamel secretory matrix protease (cattle, rats)
P50DE-07009-02 0005 Specialized caries research centers - Physical, chemical and microbiological aspects of root caries formation (human)
** R01DE-07257-02 IgA protease and dental caries
** R03DE-07314-01 Genetics of streptococcus sanguis (rats)
R01DE-07376-01 Biochemical profile for gingival crevicular fluid
R01DE-07594-01 Enamel proteins

PROTEASES AND PEPTIDASES, CATHEPSINS
P50DE-02731-19 0031 Development support for dental research institute - Biochemistry laboratory (human)
** R01DE-05793-04 Processing of procollagen to collagen (rabbit, chick embryo)

PROTEASES AND PEPTIDASES, COLLAGENASE
** P50DE-02670-19 0039 Institute of dental research - Structure and function of latent collagenase
R01DE-03987-11 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
** R01DE-05817-05 Cellular mechanisms of collagen breakdown (human, animals)
R01DE-06028-02 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R01DE-06671-03 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)
R03DE-07014-01 Human PDL cell attachment to root surfaces
R01DE-07376-01 Biochemical profile for gingival crevicular fluid

PROTEASES AND PEPTIDASES, DIPEPTIDYL CARBOXYPEPTIDASE
R01DE-07341-01 Second messenger function in exocrine glands (rats)

PROTEASES AND PEPTIDASES, ELASTASE
R01DE-03987-11 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
P50DE-07118-01 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)

PROTEASES AND PEPTIDASES, GLUTAMYL TRANSPEPTIDASE
R01DE-06893-02 Effects of beta-carotene on salivary gland tumors (rats)

PROTEASES AND PEPTIDASES, TRYPSIN
R03DE-07014-01 Human PDL cell attachment to root surfaces
R01DE-07376-01 Biochemical profile for gingival crevicular fluid

PROTEIN BINDING
SEE ALSO BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS (SEE ALSO SPECIFICS)
SEE ALSO CARBOHYDRATES, PROTEIN BOUND CARBOHYDRATES
SEE ALSO ENDOCRINOLOGY, HORMONE BINDING PROTEINS
SEE ALSO PROTEINS, CALCIUM BINDING PROTEINS
P50DE-02623-18 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
P50DE-02670-19 0001 Institute of dental research - X-ray crystallography program
P50DE-02731-19 0031 Development support for dental research institute - Biochemistry laboratory (human)
R01DE-04321-11 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-04622-09 Craniofacial anomalies and protein receptors (mice, rats)
** R01DE-05289-07 Uptake and binding by early enamel matrix (rats)
R01DE-06436-04 Periodontosis--Characterization of the neutrophil defect (human)
R01DE-06962-02 Surface protein antigens of cariogenic streptococci
P50DE-07009-02 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
** R23DE-07256-02 Attachment protein interaction with periodontal bacteria (mice)
R23DE-07268-02 Polymorphonuclear leukocyte function in wound healing (rabbits)

PROTEIN BOUND CARBOHYDRATES
SEE CARBOHYDRATES, PROTEIN BOUND CARBOHYDRATES

PROTEIN DEGRADATION
SEE PROTEOLYSIS

PROTEIN KINASES (GENERAL)
SEE PHOSPHOTRANSFERASES, PROTEIN KINASES (GENERAL)

PROTEIN PHOSPHOTRANSFERASES
SEE PHOSPHOTRANSFERASES, PROTEIN KINASES (GENERAL)

PROTEIN-POLYSACCHARIDE COMPLEXES
SEE PROTEOGLYCANS

PROTEIN STRUCTURE
SEE PROTEINS-PEPTIDES STRUCTURE

PROTEINS
SEE ALSO BLOOD PROTEINS
SEE ALSO ENZYMES
SEE ALSO GLYCOPROTEINS
SEE ALSO IMMUNOLOGY, ACUTE PHASE PROTEINS
SEE ALSO LIPOPROTEINS
SEE ALSO MUSCLE PROTEINS (AND CONTRACTILE PROTEINS)
SEE ALSO NUCLEIC ACIDS, MRNA
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY PROTEINS
SEE ALSO PEPTIDES
SEE ALSO PHOSPHOPROTEINS
SEE ALSO PROTEOGLYCANS
SEE ALSO PROTEOLIPIDS

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Queries significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

P50DE-02600-19 0034 Support for oral biology research center - Salivary and oral mucosal changes after chemotherapeutic drugs (human)
** P50DE-02623-18 0036 Center for oral health research - Enamel proteins and their genes
P50DE-02670-19 0020 Institute of dental research - Effects of trace elements on tooth development and caries
** R01DE-05092-07 Proteins involved in dentinogenesis
R01DE-06533-03 Vesicles and endochondral bone formation (chickens)
R01DE-06765-02 Ion transport through the maturation stage enamel organ (cows, rats)
R01DE-06995-01 Biological molecules in the corrosion of dental alloys
R03DE-07146-01 Biochemistry of Streptococcus mutans ribosomes (rabbits)
** R23DE-07233-01 Multivariate analysis of saliva antimicrobial proteins (humans)
** R43DE-07266-01 Mytilus edulis polyphenolic protein--Adhesive system development
R03DE-07556-01 Investigation of PDGF receptors on U20s osteosarcoma cells (tissue culture)

PROTEINS, BACTERIAL (GENERAL)

R01DE-03180-15 Microbiologic studies of the human oral streptococci (also rabbits)
R01DE-04645-08 A genetic-biochemical analysis of spirochete motility (mice)
** R01DE-05606-05 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
** R01DE-06736-02 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
R01DE-06962-02 Surface protein antigens of cariogenic streptococci

PROTEINS, CALCIUM BINDING PROTEINS

P50DE-02670-19 0001 Institute of dental research - X-ray crystallography program
R01DE-05092-07 Proteins involved in dentinogenesis
R01DE-05323-04 Calcium ion interactions in developing dental tissues (rats)
R01DE-05672-03 Anionic salivary proteins in dental integuments (Macaca facicularis)
** R01DE-06854-02 Steroid hormone receptors in developing teeth (rats)
R01DE-06991-02 Plasma membranes and secretory granules in secretion (rats, rabbits)

PROTEINS, CALCIUM BINDING PROTEINS, CALMODULIN

R01DE-06991-02 Plasma membranes and secretory granules in secretion (rats, rabbits)
R01DE-07341-01 Second messenger function in exocrine glands (rats)

PROTEINS, DIETARY

SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY PROTEINS

PROTEINS, LECTINS (NON-PLANT)

SEE ALSO PLANTS PROTEINS, LECTINS
R01DE-06744-02 Adherence of oral bacteria to cell surface components (humans, rabbits)
R03DE-07152-01 Skeletal muscle basal laminae--Biochemical analyses (rats)

PROTEINS, MEMBRANE PROTEINS

SEE ALSO DRUGS RECEPTORS
SEE ALSO ENDOCRINOLOGY, HORMONE RECEPTORS
SEE ALSO NEUROTRANSMITTERS RECEPTORS
P50DE-02623-18 0031 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
R01DE-04321-11 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-04724-07 Cellular events in bone remodeling (rats, mice, chickens)
R01DE-05251-06 Salivary gland secretory mechanisms (rats)
** R01DE-05630-05 Matrix & cell surface in neural crest cell morphogenesis (chickens, quails, mice)
R01DE-05632-05 Development of salivary gland secretory function (rats)
R01DE-05978-03 Lipid nutrition, membrane fluidity and enzymes (rats)
R01DE-06436-04 Periodontosis--Characterization of the neutrophil defect (human)
R01DE-06801-03 Mutants to study S mutans pathogenicity (mammals)
R01DE-06991-02 Plasma membranes and secretory granules in secretion (rats, rabbits)
R03DE-07142-01 Leukocyte IgA Fc receptors (human)
R01DE-07168-02 Membrane function during germination of Candida albicans (mice)

PROTEINS, VIRAL (GENERAL)

** P50DE-02623-18 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
** R01DE-03606-16 Morphogenesis of bacteriophage Phi-29

PROTEINS BIOSYNTHESIS

SEE ALSO AMINO ACYL TRNA
SEE ALSO BIOLOGICAL PREPARATIONS AND STANDARDIZATION, NATURAL PRODUCTS PRODUCTION BY GENETIC MANIPULATION
SEE ALSO CELL COMPONENTS, RIBOSOMES
SEE ALSO GENETICS, BIOCHEMICAL GENETICS, GENETIC CODING
SEE ALSO GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSLATION
SEE ALSO GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN BIOSYNTHESIS
SEE ALSO IMMUNOLOGY, ANTIBODY FORMATION
SEE ALSO NUCLEIC ACIDS, MRNA
** R01DE-01374-25 Matrix component interactions in bone and dentin (rabbits, rats, mice)
** P50DE-02e00-19 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
P50DE-02623-18 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
P50DE-02668-19 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
P50DE-02668-19 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)
P50DE-02670-19 0019 Institute of dental research - Chemistry/biology of the genetically-distinct collagens
P01DE-02848-15 0007 Biology of connective tissue, bones, and teeth - Extracellular matrix and epithelial gene expression (animals)
R01DE-03246-16 Biochemical mechanisms relevant to dentistry
R01DE-03301-15 Connective tissues of the periodontium (human, dog)
R01DE-03606-16 Morphogenesis of bacteriophage Phi-29
R01DE-03658-21 Genetic polymorphisms of saliva (human, mice)
R01DE-04008-11 Cellular and developmental control of calcification (chick embryo)
R01DE-04224-11 Studies on the genetics of oral microflora (rats)
R01DE-04511-10 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-04622-09 Craniofacial anomalies and protein receptors (mice, rats)
R01DE-04960-07 Mechanisms of salivary gland development (mice, rabbits, rats)
R01DE-04970-07 Nuclear composition and organization for odontogenesis (rats)
R01DE-05323-04 Calcium ion interactions in developing dental tissues (rats)
R01DE-05379-05 Morphogenesis and maturation of craniofacial sutures (animals)
R01DE-05793-04 Processing of procollagen to collagen (rabbit, chick embryo)
R23DE-06243-03 The extracellular matrix in neural crest formation (mice, chick, rat)
R01DE-06425-02 Nutritional studies of tooth development in vitro (mice, rats)
R01DE-06801-03 Mutants to study S mutans pathogenicity (mammals)
R03DE-06821-02 Regulation of bone cells three-dimensional culture models (mice)
** R01DE-06892-02 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
** R01DE-06952-02 Enamel secretory matrix protease (cattle, rats)
** R01DE-06970-02 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
** R23DE-07006-01 Synthesis of a craniofacial wound healing factor (human)
R23DE-07077-01 Cell surface regulation in a cariogenic streptococci
R01DE-07168-02 Membrane function during germination of Candida albicans (mice)
R03DE-07788-01 Human basement membrane tumors (nude mice, tissue culture)
** R23DE-07391-01 Insulin and protein synthesis in the rat gland
R03DE-07556-01 Investigation of PDGF receptors on U20s osteosarcoma cells (tissue culture)
** R23DE-07559-01 Synthesis of a craniofacial wound healing factor (human)
R23DE-07681-01 Cell growth and bone resorption in periodontal disease (rats, cattle)
** P01DE-07687-04 0006 Regeneration and transplantation of skeletal muscle - Control of protein synthesis in regenerating muscle (rat)

PROTEINS METABOLISM

SEE ALSO PROTEINS BIOSYNTHESIS
SEE ALSO PROTEOLYSIS
** R01DE-03318-14 The molecular nature of gingival and mucosal collagen (rats)

PROTEINS-PEPTIDES STRUCTURE

SEE ALSO ENZYME STRUCTURE
SEE ALSO GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN STRUCTURE
P50DE-02600-19 0038 Support for oral biology research center - Connective tissue alterations in periodontal disease
** P50DE-02623-18 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
** P50DE-02670-19 0001 Institute of dental research - X-ray crystallography program
** P50DE-02670-19 0003 Institute of dental research - Macromolecules of mineralized tissues
** P50DE-02670-19 0029 Institute of dental research - Structure and interactions of proteoglycans
P01DE-02848-15 0007 Biology of connective tissue, bones, and teeth - Extracellular matrix and epithelial gene expression (animals)
R01DE-04645-08 A genetic-biochemical analysis of spirochete motility (mice)
R01DE-04971-07 Salivary mucins and dental diseases (human)
** R01DE-05476-05 Novel peptide derived sweeteners
R01DE-05606-05 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
R01DE-06071-02 Calcium metabolism in Streptococcus mutans
** R01DE-06556-03 Oral epithelium structural proteins (rabbits)
R01DE-06669-03 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
** R01DE-06852-02 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
** R01DE-06954-01 Structural studies of matrix proteins in teeth and bone
R01DE-06962-02 Surface protein antigens of cariogenic streptococci
R23DE-07006-01 Synthesis of a craniofacial wound healing factor (human)
R23DE-07268-02 Polymorphonuclear leukocyte function in wound healing (rabbits)
R03DE-07288-01 Human basement membrane tumors (nude mice, tissue culture)
R23DE-07559-01 Synthesis of a craniofacial wound healing factor (human)
** R01DE-07594-01 Enamel proteins
R23DE-07681-01 Cell growth and bone resorption in periodontal disease (rats, cattle)

PROTEINS-PEPTIDES STRUCTURE, AMINO ACIDS SEQUENCE

R01DE-01374-25 Matrix component interactions in bone and dentin (rabbits, rats, mice)
P50DE-02668-19 0125 Regional dental research center - Significance of collagen crosslinks in tissue
P50DE-02670-19 0003 Institute of dental research - Macromolecules of mineralized tissues
P50DE-02670-19 0024 Institute of dental research - Biosynthesis of heparin and heparin sulfate
** R01DE-03658-21 Genetic polymorphisms of saliva (human, mice)
** R01DE-05672-03 Anionic salivary proteins in dental integuments (Macaca facicularis)
R01DE-05793-04 Processing of procollagen to collagen (rabbit, chick embryo)
R01DE-05937-05 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-05956-05 The adhesive of Mytilus byssus
R01DE-06624-03 OAF synthesis in periodontal disease (human)
R01DE-06970-02 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R03DE-07118-01 Dentinogenesis imperfecta--Chromosome mapping

PROTEINS STRUCTURE

SEE PROTEINS-PEPTIDES STRUCTURE

PROTEINS SYNTHESIS (BIOSYNTHESIS)

SEE PROTEINS BIOSYNTHESIS

PROTEINS TRANSPORT

SEE ALSO PROTEIN BINDING
R01DE-04897-05 Functional development of salivary glands (rats)
R01DE-06573-03 Genetic and biochemical bases for S mutans virulence (rabbits)

PROTEOGLYCANS

SEE ALSO GLYCOPROTEINS
SEE ALSO PEPTIDOGLYCANS
P50DE-02670-19 0003 Institute of dental research - Macromolecules of mineralized tissues
** P50DE-02670-19 0029 Institute of dental research - Structure and interactions of proteoglycans
** P50DE-02731-19 0031 Development support for dental research institute - Biochemistry laboratory (human)
P50DE-02731-19 0032 Development support for dental research institute - Experimental cytology laboratory (rats)
P01DE-02848-15 0009 Biology of connective tissue, bones, and teeth - Epithelial-mesenchymal interactions and palate morphogenesis
R01DE-04008-11 Cellular and developmental control of calcification (chick embryo)
R01DE-04141-11 Mechanism of hard tissue mineralization (human, rats)
R01DE-05092-07 Proteins involved in dentinogenesis
R01DE-05379-05 Morphogenesis and maturation of craniofacial sutures (animals)
R01DE-05632-05 Development of salivary gland secretory function (rats)
R01DE-05996-04 Alveolar bone metabolism during tooth eruption (dogs)
R01DE-06028-02 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
** R23DE-06739-02 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
R01DE-06886-02 Bioactive factors from demineralized adult bone (chick embryo)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number

BEST COPY AVAILABLE

R01DE-06977-02 Oral mucosa in vitro (mice, rats, guinea pigs)
R23DE-07006-01 Synthesis of a craniofacial wound healing factor (human)
R03DE-07424-01 Bacterial invasion of a basement membrane like matrix in vitro
R03DE-07556-01 Investigation of PDGF receptors on U20s osteosarcoma cells (tissue culture)
R23DE-07599-01 Synthesis of a craniofacial wound healing factor (human)

PROTEOGLYCANS, CHITIN
R01DE-07168-02 Membrane function during germination of Candida albicans (mice)

PROTEOGLYCANS, MUCIN
P01DE-02847-17 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
R01DE-04518-09 Streptococcus sanguis receptors for salivary glycoproteins
R01DE-04960-07 Mechanisms of salivary gland development (mice, rabbits, rats)
** R01DE-04971-07 Salivary mucins and dental diseases (human)
R01DE-06744-02 Adherence of oral bacteria to cell surface components (humans, rabbits)
** R01DE-06892-02 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
** R01DE-06970-02 Regulation of mucin glycoprotein biosynthesis (rats, rabbits)

PROTEOLIPIDS
SEE ALSO LIPOPROTEINS
R01DE-05932-05 The role of lipoproteins in microbial calcification
** R01DE-05937-05 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06533-03 Vesicles and endochondral bone formation (chickens)

PROTEOLYSIS
P50DE-02600-19 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
P50DE-02668-19 0190 Regional dental research center Thrombin and prothrombin
R01DE-05494-06 Activation of macrophages in periodontal disease (mice)
R01DE-05793-04 Processing of procollagen to collagen (rabbit, chick embryo)
** R01DE-06115-02 Protein phosphorylation in parotid gland secretion (rabbits)
R23DE-06243-03 The extracellular matrix in neural crest formation (mice, chick, rat)
R23DE-06739-02 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
R01DE-06952-02 Enamel secretory matrix protease (cattle, rats)
** R03DE-07436-01 Intracellular degradation of extracellular collagen (human)
R03DE-07556-01 Investigation of PDGF receptors on U20s osteosarcoma cells (tissue culture)

PROTEOLYTIC ENZYMES
SEE PROTEASES AND PEPTIDASES

PROTHROMBIN
SEE BLOOD COAGULATION, PROTHROMBIN

PROTO-ONCOGENES
SEE GENETICS, GENES, ONCOGENES

PROTOPLASTIC MEMBRANE
SEE CELL COMPONENTS, PROTOPLASTIC MEMBRANE

PROTOZOAL GENETICS
SEE GENETICS, MICROBIAL

PROWER FACTOR
SEE BLOOD COAGULATION, FACTOR X

PSEUDODEMENTIA
SEE PSYCHOLOGY, EMOTIONS, DEPRESSION

PSYCHIC ACTIVITY LEVEL
SEE ALSO PSYCHOLOGY, MOTIVATION
SEE ALSO PSYCHOLOGY, PERFORMANCE
** P01DE-05130-06 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and orofacial pain in man

PSYCHIC ACTIVITY LEVEL, AROUSAL
P01DE-05130-06 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and orofacial pain in man

PSYCHIC ACTIVITY LEVEL, ATTENTION
P01DE-05130-06 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and orofacial pain in man

PSYCHIC ACTIVITY LEVEL, RELAXATION
R01DE-04494-08 Control of stress during dental procedures (human)
R01DE-06294-04 Effects of physiological feedback on dental fear (human)

PSYCHIC ACTIVITY LEVEL, SLEEP
P01DE-05130-06 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and orofacial pain in man

PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY
SEE ALSO BEHAVIORAL MEDICINE
SEE ALSO INFORMATION PROCESSING AND CONTROL (NEURAL)
SEE ALSO NEUROPHYSIOLOGY, REFLEX
SEE ALSO PSYCHIC ACTIVITY LEVEL
SEE ALSO PSYCHOMOTOR FUNCTION
SEE ALSO SENSORY PERCEPTUAL PROCESSES, SENSORY MECHANISMS (GENERAL)
SEE ALSO STRESS, PHYSIOLOGICAL STRESSORS
** P50DE-02668-19 0210 Regional dental research center - Somesthetic capacities of human subjects (monkeys)
** R01DE-04358-09 Treatment of temporomandibular joint pain
** R01DE-04494-08 Control of stress during dental procedures (human)
** P01DE-05130-06 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Near and far field evoked potentials and pain reactivity (cats, monkeys)
** P01DE-05130-06 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
** R01DE-05369-07 Factors affecting dental postoperative pain (human)
** R01DE-05989-04 Myofascial pain-dysfunction syndrome and life stress (human)
** R01DE-06154-03 Effects of orthodontia on psychosocial functioning (human)
** R01DE-06213-03 Facial behavior related to acute dental pain (human)
** R01DE-06294-04 Effects of physiological feedback on dental fear (human)
** R01DE-06521-02 Behavioral response enhancement after periodontal surgery (human)
** R01DE-06570-04 Psychosocial evaluation of craniofacial patients
R01DE-06638-02 Complete denture service psychophysiological criteria
** P01DE-06946-02 0013 Pathophysiology of MPD and other facial pain syndromes - Psychophysiologic response of MPD patients to pain

PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY, PSYCHOPHYSIOLOGIC DISORDERS
SEE ALSO BEHAVIORAL MEDICINE
M P01DE-06946-02 Pathophysiology of MPD and other facial pain syndromes
** P01DE-06946-02 0014 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)

PSYCHOLOGIC STRESS
SEE STRESS

PSYCHOLOGICAL ADAPTATION, COPING BEHAVIOR
R01DE-05305-05 Behavioral approaches to pain responses in pedodontics (children)
R01DE-05989-04 Myofascial pain-dysfunction syndrome and life stress (human)
R01DE-06417-02 Factors influencing long-term oral self-care (human)
** R01DE-06521-02 Behavioral response enhancement after periodontal surgery (human)
** R23DE-06546-02 Assessment and treatment of mandibular pain-dysfunction (human)
** R23DE-06865-02 Child desensitization for dental visits (human)
** R03DE-07052-01 Factors related to coping with orthognathic surgery

PSYCHOLOGICAL ADAPTATION, EMOTIONAL ADJUSTMENT
SEE ALSO PSYCHOLOGY SOCIAL, SOCIAL ADJUSTMENT
R01DE-06570-04 Psychosocial evaluation of craniofacial patients

PSYCHOLOGICAL IMPACT OF DISEASES OR MEDICAL PROCEDURES
SEE BEHAVIORAL MEDICINE

PSYCHOLOGICAL MODELS
SEE MODELS, PSYCHOLOGICAL MODELS

PSYCHOLOGICAL STRESSORS
SEE STRESS, PSYCHOSOCIAL STRESSORS

PSYCHOLOGICAL TESTS (GENERAL)*
SEE ALSO PSYCHOMETRICS
SEE ALSO PSYCHOPHYSICS
R01DE-05989-04 Myofascial pain-dysfunction syndrome and life stress (human)

PSYCHOLOGY, ATTITUDE TO HEALTH AND HEALTH PROBLEMS
R01DE-04358-09 Treatment of temporomandibular joint pain
R01DE-04494-08 Control of stress during dental procedures (human)
R01DE-05305-05 Behavioral approaches to pain responses in pedodontics (children)
R23DE-06208-02 Preventive services adoption in private dental practices
R01DE-06417-02 Factors influencing long-term oral self-care (human)
** R01DE-06521-02 Behavioral response enhancement after periodontal surgery (human)
R01DE-06656-03 Promoting adherence to a dental regimen
** R23DE-06865-02 Child desensitization for dental visits (human)
P01DE-06946-02 0014 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)
** R03DE-07052-01 Factors related to coping with orthognathic surgery
** R01DE-07186-01 Validation of an index to score dental aesthetics (human)

PSYCHOLOGY, ATTITUDES, PERSONAL SATISFACTION
SEE ALSO OCCUPATIONS, JOB SATISFACTION
R23DE-06865-02 Child desensitization for dental visits (human)

PSYCHOLOGY, BEHAVIOR
SEE ALSO CHILD MENTAL DEVELOPMENT, CHILD BEHAVIOR
SEE ALSO INFORMATION-COMMUNICATION BEHAVIOR
SEE ALSO NUTRIENT INTAKE ACTIVITY, FEEDING (EATING) BEHAVIOR
SEE ALSO PSYCHOLOGICAL ADAPTATION, COPING BEHAVIOR
SEE ALSO PSYCHOLOGY, PERFORMANCE
SEE ALSO PSYCHOLOGY, PERSONALITY
SEE ALSO PSYCHOLOGY SOCIAL, INTERPERSONAL RELATIONS
SEE ALSO PSYCHOLOGY SOCIAL, SOCIAL BEHAVIOR
SEE ALSO THERAPY COMPLIANCE
P01DE-05130-06 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)

PSYCHOLOGY, BEHAVIOR PREDICTION
R01DE-06656-03 Promoting adherence to a dental regimen

PSYCHOLOGY, COGNITION
SEE ALSO PSYCHOLOGY, PERFORMANCE
P01DE-05130-06 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)

PSYCHOLOGY, COGNITION, DECISION MAKING
R01DE-06417-02 Factors influencing long-term oral self-care (human)

PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL
** R01DE-04358-09 Treatment of temporomandibular joint pain
** R01DE-06294-04 Effects of physiological feedback on dental fear (human)
** R23DE-06546-02 Assessment and treatment of mandibular pain-dysfunction (human)

PSYCHOLOGY, CONDITIONING, REINFORCEMENT
R23DE-06546-02 Assessment and treatment of mandibular pain-dysfunction (human)
R01DE-06656-03 Promoting adherence to a dental regimen

PSYCHOLOGY, DEFENSE MECHANISMS, REPRESSION
R01DE-05989-04 Myofascial pain-dysfunction syndrome and life stress (human)

PSYCHOLOGY, EMOTIONAL DEPENDENCY-INDEPENDENCY
** R03DE-07042-02 Interdependence in the dentist-patient relationship

PSYCHOLOGY, EMOTIONS, ANXIETY
SEE ALSO DENTAL FEAR AND ANXIETY
R01DE-04494-08 Control of stress during dental procedures (human)
R01DE-05989-04 Myofascial pain-dysfunction syndrome and life stress (human)
R23DE-06546-02 Assessment and treatment of mandibular pain-dysfunction (human)
R01DE-06551-02 Stress, host factors, and acute necrotizing gingivitis (human)
R03DE-07052-01 Factors related to coping with orthognathic surgery
R01DE-07197-01 Epidemiologic studies of temporomandibular disorders (human)

PSYCHOLOGY, EMOTIONS, DEPRESSION
R23DE-06546-02 Assessment and treatment of mandibular pain-dysfunction (human)
P01DE-06946-02 0014 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)
R01DE-07197-01 Epidemiologic studies of temporomandibular disorders (human)
** R03DE-07290-01 Self-monitoring to improve oral health of depressed aged

PSYCHOLOGY, EMOTIONS, PLEASURE-DISPLEASURE (GENERAL)
R01DE-04494-08 Control of stress during dental procedures (human)

PSYCHOLOGY, HABITS, SMOKING
P50DE-02668-19 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
R01DE-06519-01 Dental amalgams contribution to blood mercury levels

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
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** R01DE-07007-02 Multiple factors in the etiology of oral cancer (mice)
R01DE-07008-03 Herpes virus antibodies in patients with oral cancer
R03DE-07130-01 Epidemiology of oral disease in Hispanic Americans

PSYCHOLOGY, MOTIVATION
SEE ALSO PSYCHIC ACTIVITY LEVEL
SEE ALSO PSYCHOLOGY, PERFORMANCE
R01DE-06154-03 Effects of orthodontia on psychosocial functioning (human)
R01DE-06656-03 Promoting adherence to a dental regimen

PSYCHOLOGY, NEUROPSYCHOLOGY (GENERAL)
SEE ALSO BRAIN ELECTRICAL ACTIVITY
P50DE-02668-19 0209 Regional dental research center - Static and dynamic properties of S-I neurons in the behaving macaque monkey

PSYCHOLOGY, PERFORMANCE
SEE ALSO OCCUPATIONS, JOB PERFORMANCE
R03DE-07290-01 Self-monitoring to improve oral health of depressed aged

PSYCHOLOGY, PERSONALITY
SEE ALSO PSYCHOLOGY, BEHAVIOR
R01DE-04358-09 Treatment of temporomandibular joint pain
P01DE-06946-02 0014 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)

PSYCHOLOGY, PERSONALITY, LIFE STYLE
R01DE-05497-04 Dental disease and work loss (human)
R01DE-05989-04 Myofascial pain-dysfunction syndrome and life stress (human)

PSYCHOLOGY, PERSONALITY DEVELOPMENT, SELF-CONCEPT
R01DE-06154-03 Effects of orthodontia on psychosocial functioning (human)
R01DE-06570-04 Psychosocial evaluation of craniofacial patients
R03DE-07052-01 Factors related to coping with orthognathic surgery
R03DE-07290-01 Self-monitoring to improve oral health of depressed aged

PSYCHOLOGY, SUGGESTION
P01DE-05130-06 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)

PSYCHOLOGY, SUGGESTION, HYPNOSIS
P01DE-05130-06 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and orofacial pain in man

PSYCHOLOGY ABNORMAL, COGNITION DISORDERS
** P01DE-05837-05 0005 Growth, surgical, and speech aspects of cleft palate - Psychoeducation project (human)

PSYCHOLOGY ABNORMAL, COGNITION DISORDERS, LEARNING DISORDERS
** P01DE-05837-05 0005 Growth, surgical, and speech aspects of cleft palate - Psychoeducation project (human)

PSYCHOLOGY DEVELOPMENTAL (CHILD MENTAL DEVELOPMENT)
SEE CHILD MENTAL DEVELOPMENT

PSYCHOLOGY OCCUPATIONAL
SEE ALSO HEALTH CARE SERVICES, PATIENT-PROFESSIONAL RELATIONS
SEE ALSO OCCUPATIONS, JOB PERFORMANCE
SEE ALSO OCCUPATIONS, JOB SATISFACTION
R23DE-06522 03 Schooling and work setting--Effects on dental hygienists

PSYCHOLOGY SOCIAL (SEE ALSO SOCIAL...)
SEE ALSO FAMILY
** R01DE-07186-01 Validation of an index to score dental aesthetics (human)
R03DE-07290-01 Self-monitoring to improve oral health of depressed aged

PSYCHOLOGY SOCIAL, COOPERATION
R01DE-05305-05 Behavioral approaches to pain responses in pedodontics (children)
R23DE-06865-02 Child desensitization for dental visits (human)

PSYCHOLOGY SOCIAL, GROUP PROCESSES
R03DE-07290-01 Self-monitoring to improve oral health of depressed aged

PSYCHOLOGY SOCIAL, GROUP PROCESSES, PEER GROUPS
R01DE-06521-02 Behavioral response enhancement after periodontal surgery (human)

PSYCHOLOGY SOCIAL, INTERPERSONAL RELATIONS
SEE ALSO HEALTH CARE SERVICES, PATIENT-PROFESSIONAL RELATIONS
R01DE-05989-04 Myofascial pain-dysfunction syndrome and life stress (human)

** R01DE-06154-03 Effects of orthodontia on psychosocial functioning (human)
R03DE-07052-01 Factors related to coping with orthognathic surgery

PSYCHOLOGY SOCIAL, SOCIAL ADJUSTMENT
SEE ALSO PSYCHOLOGICAL ADAPTATION, EMOTIONAL ADJUSTMENT
** R01DE-05497-04 Dental disease and work loss (human)
** R01DE-06154-03 Effects of orthodontia on psychosocial functioning (human)
** R01DE-06570-04 Psychosocial evaluation of craniofacial patients
R03DE-07052-01 Factors related to coping with orthognathic surgery

PSYCHOLOGY SOCIAL, SOCIAL BEHAVIOR
** R01DE-06154-03 Effects of orthodontia on psychosocial functioning (human)

PSYCHOLOGY SOCIAL, SOCIAL PERCEPTION
R03DE-07052-01 Factors related to coping with orthognathic surgery

PSYCHOMETRICS
SEE ALSO PSYCHOPHYSICS
R01DE-06570-04 Psychosocial evaluation of craniofacial patients

PSYCHOMOTOR DISORDERS
** R01DE-07011-02 Psychomotor impairment related to nitrous oxide exposure (human, rat)
** R01DE-07696-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

PSYCHOMOTOR FUNCTION
SEE ALSO NEUROMOTOR SYSTEM
R01DE-07011-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
R01DE-07696-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

PSYCHOPHARMACOLOGICAL AGENTS, HYPNOTICS AND SEDATIVES
P01DE-05130-06 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)

PSYCHOPHARMACOLOGICAL AGENTS, TRANQUILIZERS
P01DE-06946-02 0015 Pathophysiology of MPD and other facial pain syndromes - Diazepam, chlorazepate, carisprodol in MPD syndrome chemotherapy (human)

PSYCHOPHYSICS
R01DE-06219-03 Facial behavior related to acute dental pain (human)

PSYCHOPHYSIOLOGIC DISORDERS
SEE PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY, PSYCHOPHYSIOLOGIC DISORDERS

PSYCHOPHYSIOLOGY
SEE PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY

PSYCHOSOCIAL STRESSORS
SEE STRESS, PSYCHOSOCIAL STRESSORS

PSYCHOSOMATIC DISORDERS
SEE PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY, PSYCHOPHYSIOLOGIC DISORDERS

PSYCHOTHERAPY, BEHAVIOR MODIFICATION
SEE ALSO PSYCHOTHERAPY, DESENSITIZATION
** R01DE-05305-05 Behavioral approaches to pain responses in pedodontics (children)
** R01DE-06294-04 Effects of physiological feedback on dental fear (human)
R03DE-07024-02 Oral signs and symptoms in bulimic patients

PSYCHOTHERAPY, DESENSITIZATION
R01DE-05305-05 Behavioral approaches to pain responses in pedodontics (children)
** R23DE-06865-02 Child desensitization for dental visits (human)

PTFE
SEE PLASTICS, FLUOROCARBON POLYMERS

PTEROYLGLUTAMIC ACID
SEE VITAMINS, FOLACIN, FOLIC ACID

PUBERTY
SEE CHILD DEVELOPMENT, PUBERTY

PUBLICATIONS
N01DE-52554-00 Conference in support of NIDR R and D programs

PUERILE
SEE CHILDREN

PULMONARY AIRWAY RESISTANCE NORMAL
SEE RESPIRATORY FUNCTION, RESPIRATORY AIRWAY PRESSURES

PULMONARY HYPOXIA
SEE RESPIRATORY GAS LEVELS, HYPOXIA, RESPIRATORY

PULP
SEE DENTAL STRUCTURE, PULP

PULP CAPPING, DENTAL
SEE DENTISTRY, ENDODONTICS, ROOT CANAL THERAPY, PULP CAPPING

PULP DISORDERS, DENTAL
SEE DENTAL PULP DISORDERS

PULPOTOMY
SEE DENTISTRY, ENDODONTICS, PULPOTOMY

PURE LINES
SEE GENETICS, POPULATION GENETICS, INBREEDING

PURINE NUCLEOSIDE:ORTHOPHOSPHATE RIBOSYLTRANSFERASE
SEE GLYCOSYLTRANSFERASES, PURINE NUCLEOSIDE PHOSPHORYLASE

PURINE NUCLEOSIDE PHOSPHORYLASE
SEE GLYCOSYLTRANSFERASES, PURINE NUCLEOSIDE PHOSPHORYLASE

PURINE NUCLEOSIDES
** R03DE-07051-01 HPLC analysis of purine nucleosides in crevicular fluid

PURINE NUCLEOSIDES, GUANINE NUCLEOSIDES, GUANOSINE
R01DE-07007-02 Multiple factors in the etiology of oral cancer (mice)

PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, ADP
R01DE-06622-02 Molecular mechanisms of periodontal disease

PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, AMP CYCLIC
R01DE-03666-09 X-ray therapeutic index for salivary glands (rodents, human)
R01DE-04008-11 Cellular and developmental control of calcification (chick embryo)
** R01DE-04387-09 Effect of fluoride on cAMP and glucose metabolism (rats)
R01DE-04724-07 Cellular events in bone remodeling (rats, mice, chickens)
P50DE-05139-08 0003 Clinical research center for periodontal disease - Human genetics section
R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)
** R01DE-05550-05 Differentiation during craniofacial embryogenesis (mice)
R01DE-05764-06 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06119-02 Protein phosphorylation in parotid gland secretion (rabbits)
R01DE-06357-03 Biochemical aspects of orofacial development
** R01DE-06511-03 Parotid secretion-Selective cAMP-PK isozyme activation (rabbits, rats)
R01DE-06553-03 Arachidonate metabolism and orofacial development (mice)
R03DE-06940-01 Comparisons of microvessels and osteoblasts in vitro
R23DE-07107-02 Cyclic nucleotides and prostaglandins in cleft palate (mice)
R23DE-07121-01 Acid production in craniofacial osteoclasts (mice)
R01DE-07341-01 Second messenger function in exocrine glands (rats)
R03DE-07404-01 Collagen matrices for oral epithelium in vitro (human, rats)

PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, ATP
SEE ALSO BIOLOGICAL TRANSPORT, TRANSPORT ENERGETICS
P50DE-02623-18 0030 Center for oral health research - Cellular control of mineralization
R01DE-03917-10 Fluoride and the metabolism of plaque bacteria
R01DE-06533-03 Vesicles and endrochondral bone formation (chickens)
R23DE-07113-02 Isolation and characterization of osteoclasts (chicks)
R01DE-07341-01 Second messenger function in exocrine glands (rats)

PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES, GMP CYCLIC
R01DE-05249-06 Salivary secretion - role of calcium (mice)
R01DE-05550-05 Differentiation during craniofacial embryogenesis (mice)
R01DE-07341-01 Second messenger function in exocrine glands (rats)

PURINES, GUANINE
R01DE-05144-06 Periodontal disease--role of spirochetes (rabbits)

PUTRESCINE
SEE AMINES, PUTRESCINE

PYREXIA
SEE TEMPERATURE (BODY), FEVER

(contd)

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PYRIDINE NUCLEOTIDES
R01DE-04387-09 Effect of fluoride on cAMP and glucose metabolism (rats)

PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NAD(H2)
R01DE-03917-10 Fluoride and the metabolism of plaque bacteria
R01DE-06622-02 Molecular mechanisms of periodontal disease

PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NADP(H2)
R01DE-04235-09 Peroxidase in saliva and prevention of oral disease (human, S mutants)

PYRIDINOLS
P50DE-02668-19 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)

PYRIMIDINE NUCLEOSIDES, THYMINE NUCLEOSIDES, THYMIDINE
R01DE-06000-05 Effect of parotid function on saliva and cells (rats)

PYRIMIDINE NUCLEOSIDES, URACIL NUCLEOSIDES, DEOXYURIDINE
R01DE-06866-02 Deoxyuridine metabolism in herpes labialis (rabbit, human)

PYRIMIDINES, CYTOSINE
R01DE-05144-06 Periodontal disease--Role of spirochetes (rabbits)

PYRIMIDINES ANALOGS, URACIL ANALOGS
R23DE-07710-01 New targets for anti-herpes simplex virus chemotherapy (rabbits)

PYROGEN RELEASING SUBSTANCE (PRS)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES

PYROPHOSPHATES
SEE PHOSPHATES, PYROPHOSPHATES

PYRUVATE KINASE
SEE PHOSPHOTRANSFERASES, ATP:PYRUVATE PHOSPHOTRANSFERASE

PYRUVATES
SEE FATTY ACIDS, PYRUVATES

QA-2 ANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

QUALITY, DIAGNOSTIC
SEE DIAGNOSTIC QUALITY-STANDARDS

QUALITY OF FOODS
SEE FOOD SCIENCES AND TECHNOLOGY, FOOD QUALITY-STANDARDS

QUALITY OF HEALTH CARE
SEE HEALTH CARE QUALITY

QUESTIONNAIRES
SEE INFORMATION GATHERING (DATA COLLECTION), QUESTIONNAIRES

RACEMIZATION
SEE CHEMICAL STRUCTURE, ISOMERS, RACEMIZATION

RACIAL STOCKS
SEE SOCIAL GROUPS, RACIAL STOCKS

RADIATION, ELECTROMAGNETIC WAVES, ULTRAVIOLET RAYS (290NM TO 380NM)
P50DE-02668-19 0150 Regional dental research center - Polymerization of tooth restorative composite materials
R01DE-06900-01 Immunology of oral herpes simplex viral infections (human)

RADIATION, ELECTROMAGNETIC WAVES, X-RAYS
** R01DE-03666-09 X-ray therapeutic index for salivary glands (rodents, human)
** R43DE-07395-01 Improved X rays for the diagnosis of periodontal disease
R01DE-07713-04 Low-dose x-radiation effects on DMBA-DNA interactions

RADIATION, IONIZING RADIATION
SEE ALSO RADIATION, ELECTROMAGNETIC WAVES, X-RAYS
R01DE-07713-04 Low-dose x-radiation effects on DMBA-DNA interactions

RADIATION COUNTERS
SEE RADIOASSAY, RADIATION COUNTERS*

RADIATION DOSAGE AND DOSIMETRY
** R01DE-07713-04 Low-dose x-radiation effects on DMBA-DNA interactions

RADIATION DOSAGE AND DOSIMETRY, RADIATION THERAPY DOSAGE
R01DE-03666-09 X-ray therapeutic index for salivary glands (rodents, human)

RADIATION EFFECTS
SEE ALSO GENETICS, RADIATION GENETICS
SEE ALSO IMMUNITY, IMMUNOSUPPRESSION, RADIATION IMMUNOSUPPRESSION
SEE ALSO NEOPLASMS, RADIATION INDUCED
SEE ALSO RADIATION SENSITIVITY
R01DE-03666-09 X-ray therapeutic index for salivary glands (rodents, human)
** R01DE-06105-03 Using fluoride-chlorhexidine to prevent radiation caries (human)
** P50DE-07003-02 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)
** R01DE-07713-04 Low-dose x-radiation effects on DMBA-DNA interactions

RADIATION ENVIRONMENTAL
SEE RADIOLOGICAL HEALTH, RADIATION ENVIRONMENTAL

RADIATION GENETICS
SEE GENETICS, RADIATION GENETICS

RADIATION IMMUNOSUPPRESSION
SEE IMMUNITY, IMMUNOSUPPRESSION, RADIATION IMMUNOSUPPRESSION

RADIATION INDUCED NEOPLASMS
SEE NEOPLASMS, RADIATION INDUCED

RADIATION PROTECTION DRUGS
SEE RADIOLOGICAL HEALTH, RADIATION PROTECTION DRUGS

RADIATION SENSITIVITY
** R01DE-03666-09 X-ray therapeutic index for salivary glands (rodents, human)
R01DE-07686-01 Regulation of antibody response to bacterial antigens (bacteria, mice)
** R01DE-07713-04 Low-dose x-radiation effects on DMBA-DNA interactions

RADIATION SENSITIZING AGENTS
SEE RADIOSENSITIZERS (GENERAL)

RADIATION STUDY SECTION
** R01DE-03666-09 X-ray therapeutic index for salivary glands (rodents, human)
** R01DE-07713-04 Low-dose x-radiation effects on DMBA-DNA interactions

RADIATION THERAPY DOSAGE
SEE RADIATION DOSAGE AND DOSIMETRY, RADIATION THERAPY DOSAGE

RADICALS (CHEMISTRY)
SEE ELECTRONIC SPECTRA, FREE RADICALS

RADIO
SEE INFORMATION DISSEMINATION, RADIO

RADIOASSAY (RADIOMETRY)
SEE ALSO RADIOAUTOGRAPHY*
SEE ALSO RADIOTRACERS*
R01DE-03180-15 Microbiologic studies of the human oral streptococci (also rabbits)

RADIOASSAY, RADIATION COUNTERS*
** R43DE-07395-01 Improved X rays for the diagnosis of periodontal disease

RADIOAUTOGRAPHY*
R03DE-07148-01 Effect of epidermal growth factor on tooth development (mice)

RADIOBIOLOGY (GENERAL)
SEE RADIATION EFFECTS

RADIODIAGNOSIS AND RADIODIAGNOSTIC METHODS
** R43DE-07395-01 Improved X rays for the diagnosis of periodontal disease

RADIODIAGNOSTIC METHODS
SEE RADIODIAGNOSIS AND RADIODIAGNOSTIC METHODS

RADIOGRAPHY, CONTRAST MEDIA*
** R01DE-06170-03 Radiopaque restorative and prosthetic dental resins

RADIOGRAPHY, TOMOGRAPHY*
** P01DE-05946-02 0004 Pathophysiology of MPD and other facial pain syndromes - Xeroradiographic tomography of the temporomandibular joint

RADIOGRAPHY, XEROGRAPHY
** R01DE-06379-03 Dental xeroradiography--Clinical investigaiton
** P01DE-06946-02 0004 Pathophysiology of MPD and other facial pain syndromes - Xeroradiographic tomography of the temporomandibular joint

RADIOIMMUNOASSAY
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, RADIOIMMUNOASSAY*

RADIOISOTOPE TRACERS
SEE RADIOTRACERS*

RADIOLOGICAL HEALTH, RADIATION ENVIRONMENTAL
SEE ALSO NEOPLASMS, RADIATION INDUCED
R01DE-07713-04 Low-dose x-radiation effects on DMBA-DNA interactions

RADIOLOGICAL HEALTH, RADIATION PROTECTION DRUGS
** R01DE-03666-09 X-ray therapeutic index for salivary glands (rodents, human)

RADIOMETRY
SEE RADIOASSAY (RADIOMETRY)

RADIOSENSITIVITY
SEE RADIATION SENSITIVITY

RADIOSENSITIZERS (GENERAL)
** R01DE-03666-09 X-ray therapeutic index for salivary glands (rodents, human)

RADIOTRACERS*
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, RADIOIMMUNOASSAY*
R01DE-03666-09 X-ray therapeutic index for salivary glands (rodents, human)

RAPID DIAGNOSIS
SEE DIAGNOSTIC TESTS, RAPID DIAGNOSIS*

RATE OF ADMINISTRATION, DRUGS
SEE DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION

RATS (LABORATORY)
SEE MAMMALS, RODENTS, MYOMORPHA, RATS (LABORATORY)*

REACTION DYNAMICS, KINETICS, MECHANISMS
SEE CHEMICAL REACTIONS (DYNAMICS)

REACTION SITES, CHEMICAL
SEE CHEMICAL REACTION SITES

REAGENTS
SEE INDICATORS AND REAGENTS

RECEPTOR SITES, ENZYMES
SEE ENZYME STRUCTURE

RECEPTORS OF NON-SENSORY STIMULI (GENERAL)
SEE ALSO BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS (SEE ALSO SPECIFICS)
SEE ALSO DRUGS RECEPTORS
SEE ALSO ENDOCRINOLOGY, HORMONE BINDING PROTEINS
SEE ALSO ENDOCRINOLOGY, HORMONE RECEPTORS
SEE ALSO IMMUNOLOGY, ANTIBODIES, ANTIBODY RECEPTORS
SEE ALSO IMMUNOLOGY, COMPLEMENT RECEPTORS
SEE ALSO NEUROTRANSMITTERS RECEPTORS
R01DE-05838-06 Morphogenetic role of glycosaminoglycans (chick embryo)
R03DE-07278-01 Laminin and immune intervention in periodontal disease
R03DE-07282-01 Basal ganglia-trigeminal interactions (cats)
R23DE-07389-01 VIP receptors and submandibular gland function (rats)

RECEPTORS OF SENSORY STIMULI
SEE NERVOUS SYSTEM, AFFERENT NERVES

RECESSIVE DISORDERS, GENETIC
SEE GENETIC DISORDERS, AUTOSOMAL RECESSIVE CONDITIONS

RECOMBINANT DNA, ARTIFICIALLY INDUCED
SEE GENETIC MANIPULATION

RECOMBINANT DNA, NATURALLY OCCURRING
SEE NUCLEIC ACIDS, SYNTHETIC NUCLEIC ACIDS, HYBRID NUCLEIC ACIDS

RECOMBINATION
SEE GENETICS, RECOMBINATION

RECONSTITUTION OF MEMBRANES
SEE MEMBRANE SYNTHESIS AND RECONSTITUTION

RECORD SYSTEMS (HEALTH)
SEE HEALTH RECORDS

RECORDING AND RECORDING SYSTEMS
SEE BIOMEDICAL SYSTEMS AUTOMATED, ELECTRONIC RECORDING SYSTEMS

RECORDS, MEDICAL
SEE HEALTH RECORDS

RECURRENCE OF DISEASE
SEE DISEASE RECURRENCE

REDOX
SEE OXIDATION-REDUCTION

REFERRAL CENTERS, BIOMEDICAL
SEE BIOMEDICAL REGISTRIES AND REFERRAL CENTERS

REFERRAL CENTERS, IMMUNOLOGICAL PREPARATIONS
SEE IMMUNOLOGICAL PREPARATIONS (GENERAL) (INCLUDING CERTIFICATION AND STANDARDIZATION)

REFLEX
SEE MUSCLE FUNCTION, MUSCLE STRETCH REFLEX
SEE NEUROPHYSIOLOGY, REFLEX

REGENERATION
SEE GROWTH AND DEVELOPMENT, REGENERATION

REGENERATION, BONE
SEE SKELETAL SYSTEM REGENERATION, BONE REGENERATION

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

REGENERATION, NERVOUS SYSTEM
SEE NERVOUS SYSTEM REGENERATION

REGENERATION, SKELETAL
SEE SKELETAL SYSTEM REGENERATION

REGISTRIES, BIOMEDICAL
SEE BIOMEDICAL REGISTRIES AND REFERRAL CENTERS

REGISTRIES, CELL CULTURE
SEE TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES

REGISTRIES, DISEASE (CLINICAL DISEASE)
SEE HEALTH RECORD SYSTEMS, PATIENT (DISEASE) REGISTRIES

REGISTRIES, IMMUNOLOGICAL PREPARATIONS
SEE IMMUNOLOGICAL PREPARATIONS (GENERAL) (INCLUDING CERTIFICATION AND STANDARDIZATION)

REGISTRIES, INFORMATION
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

REGISTRIES, PATIENT (OR CLINICAL DISEASE)
SEE HEALTH RECORD SYSTEMS, PATIENT (DISEASE) REGISTRIES

REGULATION (SELF) OF (VISCERAL) RESPONSES
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

REGULATORY GENE
SEE GENETICS, GENES, OPERON, REGULATORY GENE

REINFORCEMENT (CONDITIONING)
SEE PSYCHOLOGY, CONDITIONING, REINFORCEMENT

RELAXANTS, MUSCLE
SEE MUSCLE RELAXANTS

RELAXATION, MUSCLE
SEE MUSCLE FUNCTION, MUSCLE RELAXATION

RELAXATION, PSYCHIC
SEE PSYCHIC ACTIVITY LEVEL, RELAXATION

REMEDIAL TRAINING
SEE EDUCATION, SPECIAL (REMEDIAL)

REMOTE SENSORS
SEE BIOMEDICAL SYSTEMS AUTOMATED, TELEMETERING AND REMOTE SENSING

RENAL METABOLISM
SEE KIDNEY METABOLISM

RENAL TUBULAR TRANSPORT
SEE KIDNEY FUNCTION, RENAL TUBULAR TRANSPORT

REPAIR NUCLEASES
SEE NUCLEASES, REPAIR NUCLEASES

REPLICATION
SEE GENETICS, CHROMOSOMES, CHROMOSOME REPLICATION

REPLICATION, VIRAL
SEE VIRUS DEVELOPMENT, REPLICATION

REPRESSION (PSYCHOLOGY)
SEE PSYCHOLOGY, DEFENSE MECHANISMS, REPRESSION

REPRODUCTION MICROORGANISMS, CONJUGATION MICROORGANISMS
P50DE-02731-19 0019 Development support for dental research institute - Molecular biology laboratory

REPRODUCTION MICROORGANISMS, SEXUAL DIMORPHISM-HETEROGAMY
** R01DE-07168-02 Membrane function during germination of Candida albicans (mice)

REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS
SEE ALSO BODY FLUIDS, MILK
P50DE-02623-18 0035 Center for oral health research - Cellular aspects of the muring IgA response
R03DE-07297-01 Mechanism of action of phenytoin (human, rats)

REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS, LACTATION
** P01DE-01850-22 0091 Nutritional sources and metabolic roles of fluoride - Metabolic changes in repletion of bone and effect of fluoride intake (rats)
** P50DE-02668-19 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
P50DE-02668-19 0215 Regional dental research center - Osteopenia--Factors influencing development and recovery (rats)
R01DE-05628-06 Interaction between fluoride and other dietary minerals (rats)
** R01DE-06007-03 Periodontal tissue changes during pregnancy-lactation (rats)

REPRODUCTIVE SYSTEM FEMALE, OVARY
R01DE-04511-10 Stability of differentiation--Craniofacial study (mice, human, hamsters)

REPRODUCTIVE SYSTEM FEMALE, UTERUS
R03DE-07297-01 Mechanism of action of phenytoin (human, rats)

REPRODUCTIVE SYSTEM MALE, PROSTATE
R03DE-07297-01 Mechanism of action of phenytoin (human, rats)

RESEARCH FACILITIES
SEE BIOMEDICAL FACILITIES
SEE CLINICAL RESEARCH CENTERS
SEE STATISTICAL SERVICE AND CENTERS

RESINS
SEE MOLECULAR CONDENSATIONS, RESINS

RESORPTION OF BONE, ABNORMAL
SEE SKELETAL DISORDERS, BONE RESORPTION ABNORMAL

RESORPTION OF BONE, NORMAL
SEE SKELETAL SYSTEM, BONE METABOLISM, BONE RESORPTION-REMODELING PHYSIOLOGIC

RESORPTION OF TEETH
SEE DENTAL DISORDERS, TOOTH RESORPTION

RESOURCES, IMMUNOLOGICALS
SEE IMMUNOLOGICAL PREPARATIONS (GENERAL) (INCLUDING CERTIFICATION AND STANDARDIZATION)

RESPIRATION
SEE RESPIRATORY FUNCTION, RESPIRATION

RESPIRATORY AIRFLOW DISORDERS
SEE RESPIRATORY DISORDERS, RESPIRATORY AIRFLOW DISORDERS

RESPIRATORY AIRFLOW MEASUREMENTS
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

RESPIRATORY AIRWAY PRESSURE
SEE RESPIRATORY FUNCTION, RESPIRATORY AIRWAY PRESSURES

RESPIRATORY AIRWAY VOLUME
SEE RESPIRATORY FUNCTION, RESPIRATORY AIRWAY VOLUME

RESPIRATORY ANESTHESIA (INHALATION ANESTHESIA)
SEE SENSORY DEPRESSION, ANESTHESIA (GENERAL), INHALATION

RESPIRATORY DISORDERS, RESPIRATORY AIRFLOW DISORDERS
** R01DE-06881-03 Oral facial morphology and breathing--Quantitative studies (human)
** R01DE-06957-02 Nasal airway and respiratory mode in cleft palate (human)
** R01DE-07105-01 Speech aerodynamics--Regulation/control in cleft palate (human)

RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*
R01DE-06957-02 Nasal airway and respiratory mode in cleft palate (human)

RESPIRATORY FUNCTION
SEE ALSO INFORMATION-COMMUNICATION BEHAVIOR, SPEECH
R01DE-05558-05 Sensory alterations of craniofacial form (monkeys)

RESPIRATORY FUNCTION, RESPIRATION
R01DE-06294-04 Effects of physiological feedback on dental fear (human)
** R01DE-06881-03 Oral facial morphology and breathing--Quantitative studies (human)
R23DE-07351-01 Morphological basis of tongue movement and control (mammals)

RESPIRATORY FUNCTION, RESPIRATORY AIRWAY PRESSURES
** R01DE-07105-01 Speech aerodynamics--Regulation/control in cleft palate (human)

RESPIRATORY FUNCTION, RESPIRATORY AIRWAY VOLUME
** R01DE-07105-01 Speech aerodynamics--Regulation/control in cleft palate (human)

RESPIRATORY GAS CONSUMPTION, OXYGEN CONSUMPTION
R23DE-07113-02 Isolation and characterization of osteoclasts (chicks)

RESPIRATORY GAS LEVELS, HYPOXIA
P50DE-02668-19 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)

RESPIRATORY GAS LEVELS, HYPOXIA, RESPIRATORY
R01DE-06216-03 Gene-environment interactions in cleft lip mice (monkeys)

RESPIRATORY GAS LEVELS, OXYGEN TENSION
SEE ALSO RESPIRATORY GAS LEVELS, HYPOXIA
P50DE-02623-18 0030 Center for oral health research - Cellular control of mineralization
P50DE-02668-19 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
** P01DE-06946-02 0012 Pathophysiology of MPD and other facial pain syndromes - Effect of fatigue on pH and p02 in rabbit masseter

RESPIRATORY GASES, CARBON DIOXIDE
** R03DE-07308-01 Co2 lasers in preventative dentistry - safety parameters (dogs)

RESPIRATORY GASES, OXYGEN
R01DE-01912-22 Tooth enamel apatite at the atomic level (human)
R03DE-06272-02 Oxygen and sodium valproate induced craniofacial defects (mice)

RESPIRATORY HYPOXIA
SEE RESPIRATORY GAS LEVELS, HYPOXIA, RESPIRATORY

RESPIRATORY SYSTEM, LARYNX, EPIGLOTTIS
** R01DE-05728-04 Role of chemoreceptors in craniofacial function (lambs)

RESPIRATORY SYSTEM, LUNG ALVEOLUS
R01DE-07011-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
R01DE-07696-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

RESPONSE
SEE STIMULUS-RESPONSE (GENERAL)

RESTRICTION ENDONUCLEASES
SEE NUCLEASES, ENDONUCLEASES (GENERAL)

RETICULAR DYSGENESIS
SEE IMMUNOPATHOLOGY, IMMUNOLOGIC DEFICIENCY DISORDERS

RETICULAR FORMATION
SEE BRAIN, RETICULAR FORMATION

RETICULOENDOTHELIAL SYSTEM
SEE BLOOD AND RE SYSTEM, RETICULOENDOTHELIAL SYSTEM (GENERAL)

RETINAL
SEE VITAMINS, VITAMIN A, RETINALDEHYDE

RETINALDEHYDE
SEE VITAMINS, VITAMIN A, RETINALDEHYDE

RETINENE
SEE VITAMINS, VITAMIN A, RETINALDEHYDE

RETINOIC ACID
SEE VITAMINS, VITAMIN A, RETINOIC ACID

ALL-TRANS RETINOIC ACID
SEE VITAMINS, VITAMIN A, RETINOIC ACID

RETINOIDS
SEE VITAMINS, VITAMIN A ANALOGS

RETINOL
SEE VITAMINS, VITAMIN A, ALL-TRANS RETINOL

ALL-TRANS RETINOL
SEE VITAMINS, VITAMIN A, ALL-TRANS RETINOL

RETINYL ACETATE
SEE VITAMINS, VITAMIN A ANALOGS

RETRIEVAL, INFORMATION
SEE INFORMATION SYSTEMS, INFORMATION RETRIEVAL

REVASCULARIZATION SURGICAL
SEE CARDIOVASCULAR SURGERY, REVASCULARIZATION SURGICAL

RGV-1 GENE
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES, IMMUNE RESPONSE GENES

RHEOLOGY AIR
SEE RESPIRATORY DISORDERS, RESPIRATORY AIRFLOW DISORDERS
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

RHEOLOGY LIQUIDS
SEE CARDIOVASCULAR FUNCTION, BLOOD FLOW

RHEUMATOID ARTHRITIS
SEE SKELETAL DISORDERS, ARTHRITIS, RHEUMATOID

RHINITIS
SEE NASAL DISORDERS, RHINITIS

RHL-A LOCUS (RHESUS MONKEY)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

RI-1 LOCUS
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

RIBOFLAVIN
SEE VITAMINS, RIBOFLAVIN

RIBONUCLEIC ACID(S)
SEE NUCLEIC ACIDS, RNA

RIBONUCLEIC ACIDS REPLICATION
SEE NUCLEIC ACIDS SYNTHESIS, RNA

RIBONUCLEOSIDES MONO-, DI-, TRIPHOSPHATES
SEE NUCLEOTIDES, RIBONUCLEOTIDES

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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RIBONUCLEOSIDES PHOSPHATES
SEE NUCLEOTIDES, RIBONUCLEOTIDES

RIBONUCLEOTIDES
SEE NUCLEOTIDES, RIBONUCLEOTIDES

RIBOSE
SEE PENTOSES, RIBOSE

RIBOSOMES
SEE CELL COMPONENTS, RIBOSOMES

RIBOSYLATION
SEE CHEMICAL REACTIONS, GLYCOSYLATION

RICKETS
SEE SKELETAL DISORDERS, BONE METABOLISM, RICKETS

RISK, DISEASE PRONENESS
SEE DISEASE PRONENESS-RISK

RL-A LOCUS (RABBIT)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

RNA
SEE NUCLEIC ACIDS, RNA

RNA BIOSYNTHESIS
SEE NUCLEIC ACIDS SYNTHESIS, RNA

RNA CLONING
SEE GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING

RNA LIGASE
SEE NUCLEASES, REPAIR NUCLEASES

RNA REPLICATION
SEE NUCLEIC ACIDS SYNTHESIS, RNA

RODS, GRAM-NEGATIVE
SEE BACTERIA, GRAM-NEGATIVE*

RODS, GRAM-POSITIVE
SEE BACTERIA, GRAM-POSITIVE*

ROLE MODELS OF BEHAVIOR
SEE MODELS, PSYCHOLOGICAL MODELS

ROLE MODELS IN SOCIETY
SEE MODELS, SOCIAL MODELS

ROOT CANAL FILLING MATERIALS
SEE DENTAL MATERIALS, ROOT CANAL FILLING MATERIALS

RURAL AREAS
SEE SOCIOENVIRONMENT, RURAL AREAS

S
SEE SULFUR (COMPOUNDS) - SEE ALSO THI

SACCHARIN
SEE FOOD, SWEETENING AGENTS

SAFETY OF MEDICAL EQUIPMENT
SEE BIOMEDICAL ENGINEERING, MEDICAL EQUIPMENT SAFETY

SALICYLATES
SEE PHENYLCARBOXYLATES, SALICYLATES

SALIVA
SEE ORAL-PHARYNGEAL, SALIVA

SALIVARY GLANDS
SEE ORAL-PHARYNGEAL, SALIVARY GLANDS

SALIVARY GLAND DISORDERS
SEE ORAL PHARYNGEAL DISORDERS, SALIVARY GLAND DISORDERS

SALIVARY GLAND NEOPLASMS
SEE NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES, SALIVARY GLAND NEOPLASMS

SALIVARY GLAND VIRUSES
SEE VIRUSES, HERPESVIRIDAE, BETAHERPESVIRINAE

SALIVATION
SEE ORAL-PHARYNGEAL, SALIVATION

SALMONELLA
SEE BACTERIA, ENTEROBACTERIACEAE, SALMONELLA*

SALMONELLA-MICROSOME TEST FOR MUTAGENS
SEE GENETICS, MUTAGENS, MUTAGEN TESTS

SALMONELLA TYPHIMURIUM
SEE BACTERIA, ENTEROBACTERIACEAE, SALMONELLA TYPHIMURIUM*

SALTS
SEE CHEMICALS (GENERAL), SALTS (GENERAL)

SALTS, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY SALTS

SARCOMERES
SEE MUSCLE CELLS, SARCOMERES

SATISFACTION
SEE PSYCHOLOGY, ATTITUDES, PERSONAL SATISFACTION

SCALLOPS
SEE MOLLUSKS, PELECYPODS*

SCARLET FEVER
SEE BACTERIAL DISEASES, STREPTOCOCCAL INFECTIONS

SCARS
SEE INJURIES, SCARS

SCHEDULE, DOSAGE
SEE DOSAGE AND ROUTE, DOSAGE

SCHIFF BASES
SEE IMINES, SCHIFF BASES

SCHOOL HEALTH (SERVICES)
SEE HEALTH CARE SERVICES, STUDENT HEALTH SERVICES

SCHOOLS
SEE EDUCATION, SCHOOLS

SCLERODERMA
SEE SKIN DISORDERS, SKIN HYPERSENSITIVITY, SCLERODERMA

SCLEROSIS DISSEMINATED(MULTIPLE SCLEROSIS)
SEE NERVOUS DISORDERS, MYELINOPATHIES, MULTIPLE SCLEROSIS

SCLEROSIS, PROGRESSIVE SYSTEMIC
SEE SKIN DISORDERS, SKIN HYPERSENSITIVITY, SCLERODERMA

SCREENING
SEE DIAGNOSTIC SERVICES, MASS SCREENING
SEE DRUGS SCREENING AND EVALUATION

SCURVY
SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS C

SE
SEE METALS, METALLOIDS, SELENIUM (COMPOUNDS)

SEAFOOD
SEE FOOD, SEAFOOD

SEALANTS, DENTAL
SEE DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS

SEALASE
SEE NUCLEASES, REPAIR NUCLEASES

SECONDARY EDUCATION
SEE EDUCATION, SCHOOLS, SECONDARY

SECRETION OF CELL PRODUCTS, EXOCYTOSIS
SEE CELL SECRETION, EXOCYTOSIS

SECRETION OF CELL WASTES
SEE BIOLOGICAL TRANSPORT, SECRETORY MECHANISMS, EXCRETION

SECRETORY IMMUNOGLOBULIN A
SEE IMMUNOLOGY, SECRETORY (ANTIBODY) (FACTOR) SYSTEM

SECRETORY MECHANISMS
SEE BIOLOGICAL TRANSPORT, SECRETORY MECHANISMS

SECRETORY (ANTIBODY) (FACTOR) SYSTEM
SEE IMMUNOLOGY, SECRETORY (ANTIBODY) (FACTOR) SYSTEM

SEDATIVES
SEE PSYCHOPHARMACOLOGICAL AGENTS, HYPNOTICS AND SEDATIVES

SELENIUM (COMPOUNDS)
SEE METALS, METALLOIDS, SELENIUM (COMPOUNDS)

SELF CARE
SEE HEALTH, SELF CARE

SELF-CARE MODELS
SEE MODELS, HEALTH CARE MODELS

SELF-CONCEPT
SEE PSYCHOLOGY, PERSONALITY DEVELOPMENT, SELF-CONCEPT

SELF MEDICATION
SEE HEALTH, SELF CARE

SELF REGULATION (CONTROL) OF AUTONOMIC (VISCERAL) RESPONSES
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

SELF-RELIANCE SOCIAL, INDEPENDENCY
SEE SOCIAL SELF-RELIANCE, DEPENDENCY-INDEPENDENCY

SEMICONDUCTION
SEE ELECTRICAL CONDUCTION, SEMICONDUCTION

SEMINOMA (GENERAL)
SEE NEOPLASMS OF REPRODUCTIVE SYSTEM, GERM CELL NEOPLASMS

SENIOR CITIZENS
SEE AGE (HUMAN), ADULT, OLD AGE (65 TO 99 YRS)

SENIOR CITIZENS, HEALTH CARE SERVICES
SEE HEALTH CARE SERVICES FOR THE ELDERLY

SENSE ORGANS, CHEMORECEPTORS
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, TASTE
** R01DE-05728-04 Role of chemoreceptors in craniofacial function (lambs)

SENSE ORGANS, MECHANORECEPTORS
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, TOUCH
R01DE-06027-04 Kinesthetic mechanisms in the trigeminal system (cats)
R01DE-06725-02 Anatomical studies of sensory trigeminal nuclei (rats)

SENSORIMOTOR SYSTEMS (GENERAL)
SEE NEUROMOTOR SYSTEM, SENSORIMOTOR SYSTEMS (GENERAL)

SENSORY DEPRESSION, ANALGESIA
SEE ALSO NEUROPHARMACOLOGICAL AGENTS, ANALGESICS
** R01DE-05369-07 Factors affecting dental postoperative pain (human)
** R01DE-06682-03 CNS modulation of orofacial input (rats, cats)

SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA
** P01DE-06946-02 0002 Pathophysiology of MPD and other facial pain syndromes - Transcutaneous electrical nerve stimulation--Treatment of MPD syndrome (human)

SENSORY DEPRESSION, ANESTHESIA (GENERAL), GENERAL ANESTHESIA
R03DE-07157-01 Studies on nitrous oxide teratogenesis (rats)

SENSORY DEPRESSION, ANESTHESIA (GENERAL), INHALATION
R01DE-07011-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
R03DE-07157-01 Studies on nitrous oxide teratogenesis (rats)
R01DE-07696-01 Psychomotor impairment related to nitrous oxide exposure (human, rats)

SENSORY DEPRESSION, ANESTHESIA DENTAL
P01DE-05130-06 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and orofacial pain in man
R01DE-06427-04 Permeability characteristics of dentin (dogs, human)
R03DE-07157-01 Studies on nitrous oxide teratogenesis (rats)

SENSORY DISORDERS AND LANGUAGE STUDY SECTION
** R01DE-04786-08 Dental and orofacial pain--Brain stem mechanisms (cats)
** R01DE-07105-01 Speech aerodynamics--Regulation/control in cleft palate (human)

SENSORY FEEDBACK
R01DE-04358-09 Treatment of temporomandibular joint pain

SENSORY MECHANISMS (GENERAL)
SEE SENSORY-PERCEPTUAL PROCESSES, SENSORY MECHANISMS (GENERAL)

SENSORY NERVES
SEE NERVOUS SYSTEM, AFFERENT NERVES

SENSORY-PERCEPTUAL PROCESSES, BODY IMAGE
R03DE-07290-01 Self-monitoring to improve oral health of depressed aged

SENSORY-PERCEPTUAL PROCESSES, IMAGERY
P01DE-05130-06 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
R01DE-05305-05 Behavioral approaches to pain responses in pedodontics (children)

SENSORY-PERCEPTUAL PROCESSES, PAIN
SEE ALSO DENTAL PAIN
SEE ALSO NERVOUS DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA
SEE ALSO NEUROLOGIC MANIFESTATIONS, HEADACHE
SEE ALSO ORAL-FACIAL PAIN
SEE ALSO ORAL-PHARYNGEAL DISORDERS, MPD SYNDROME
SEE ALSO SENSORY DEPRESSION, ANALGESIA
** R01DE-04786-08 Dental and orofacial pain--Brain stem mechanisms (cats)
P01DE-06946-02 0007 Pathophysiology of MPD and other facial pain syndromes - Incidence of TMJ clicking in preothodontic patients

SENSORY-PERCEPTUAL PROCESSES, PAIN TOLERANCE
P01DE-05130-06 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Near and far field evoked potentials and pain reactivity (cats, monkeys)
P01DE-05130-06 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
** R01DE-05369-07 Factors affecting dental postoperative pain (human)
R01DE-05989-04 Myofascial pain-dysfunction syndrome and life stress (human)
** R01DE-06219-03 Facial behavior related to acute dental pain (human)
R01DE-06294-04 Effects of physiological feedback on dental fear (human)
** R23DE-06546-02 Assessment and treatment of mandibular pain-dysfunction (human)
R01DE-06585-03 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)

(contd).

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

BEST COPY AVAILABLE

P01DE-06946-02 0002 Pathophysiology of MPD and other facial pain syndromes - Transcutaneous electrical nerve stimulation--Treatment of MPD syndrome (human)
** P01DE-06946-02 0013 Pathophysiology of MPD and other facial pain syndromes - Psychophysiologic response of MPD patients to pain
P01DE-06946-02 0014 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)

SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION
SEE ALSO MUSCLE FUNCTION, MUSCLE STRETCH REFLEX
** R01DE-06027-04 Kinesthetic mechanisms in the trigeminal system (cats)

SENSORY-PERCEPTUAL PROCESSES, SENSORY MECHANISMS (GENERAL)
P01DE-05130-06 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and orofacial pain in man

SENSORY-PERCEPTUAL PROCESSES, SOMESTHESIS

SENSORY-PERCEPTUAL PROCESSES, SOMESTHESIS
SEE BRAIN, CEREBRAL CORTEX, SOMESTHETIC SENSORY AREA
SEE ALSO NERVOUS SYSTEM, AFFERENT NERVES, CUTANEOUS SENSORY NERVES
SEE ALSO NERVOUS SYSTEM, AFFERENT NERVES, SOMATIC AFFERENT NERVES
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, PAIN
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, THERMORECEPTION
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, TOUCH
** P50DE-02668-19 0204 Regional dental research center - Psychophysical measures of combined tactile and thermal sensitivity (human)
R01DE-06027-04 Kinesthetic mechanisms in the trigeminal system (cats)

SENSORY-PERCEPTUAL PROCESSES, TASTE
** R01DE-05728-04 Role of chemoreceptors in craniofacial function (lambs)

SENSORY-PERCEPTUAL PROCESSES, TASTE THRESHOLD
R01DE-05476-05 Novel peptide derived sweeteners
R03DE-06825-02 Central nervous system control of Von Ebner's glands (rats)

SENSORY-PERCEPTUAL PROCESSES, THERMORECEPTION
P50DE-02668-19 0204 Regional dental research center - Psychophysical measures of combined tactile and thermal sensitivity (human)

SENSORY-PERCEPTUAL PROCESSES, TOUCH
** P50DE-02668-19 0204 Regional dental research center - Psychophysical measures of combined tactile and thermal sensitivity (human)
** P50DE-02668-19 0210 Regional dental research center - Somesthetic capacities of human subjects (monkeys)
R01DE-05558-05 Sensory alterations of craniofacial form (monkeys)

SENSORY THRESHOLDS
SEE ALSO SENSORY DEPRESSION, ANALGESIA
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, TASTE THRESHOLD
P50DE-02668-19 0204 Regional dental research center - Psychophysical measures of combined tactile and thermal sensitivity (human)

SEPTICEMIA, SEPTICEMIC SHOCK
SEE BLOOD TOXICOLOGY, BACTEREMIA-SEPTICEMIA

SERINE
SEE AMINO ACIDS, SERINE

SEROTONIN
SEE BENZOPYRROLES, SEROTONIN

SEROTYPES, SEROTYPING
SEE MICROBIAL IDENTIFICATION AND CLASSIFICATION, SEROTYPING

SERRATIA MARCESCENS
SEE BACTERIA, ENTEROBACTERIACEAE, SERRATIA MARCESCENS*

SERTOLI CELL TUMOR
SEE NEOPLASMS OF REPRODUCTIVE SYSTEM MALE, TESTIS NEOPLASMS

SERUM
SEE BLOOD AND RE SYSTEM, BLOOD, SERUM

SERUM PROTEINS
SEE BLOOD PROTEINS

SERVOMECHANISMS (BIOLOGICAL)
SEE INFORMATION PROCESSING AND CONTROL (BIOLOGICAL)

SERVOMECHANISMS (NEURAL)
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

SEX
SEE ALSO GENETIC DISORDERS, SEX-LINKED CONDITIONS
SEE ALSO REPRODUCTION MICROORGANISMS, SEXUAL DIMORPHISM-HETEROGAMY
P50DE-07003-02 0006 Rochester caries research center - Hyposalivation, drug use and caries in the elderly

SEX, SEX DIFFERENCE
P50DE-02668-19 0213 Regional dental research center - Action of androgen on submaxillary gland function
P01DE-02847-17 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
P01DE-03610-19 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis
R01DE-05410-06 Orthodontic treatment effects on craniofacial growth (human)
R01DE-06031-03 Population genetics of the Streptoccus mutans complex (human)
P50DE-07003-02 0008 Rochester caries research center - Identifying caries susceptible subjects
R01DE-07008-03 Herpes virus antibodies in patients with oral cancer
R01DE-07062-01 Cleft lip and palate in Los Angeles Hispanics
R03DE-07124-01 Prevalence of 1 and 2 coronal caries in adults (human)
R01DE-07204-01 Family studies of early onset periodontitis (human)
R01DE-07381-01 Prevalence of xerostomia--Relation to selected variables (human)
R01DE-07621-01 Periodontitis and host defense in juvenile diabetes (human)
N01DE-22438-08 Relationship of dietary intake to caries incidence (human)

SEX DIFFERENCE
SEE SEX, SEX DIFFERENCE

SEX-LINKED CONDITIONS
SEE GENETIC DISORDERS, SEX-LINKED CONDITIONS

SEXUAL DIMORPHISM (MICROORGANISM)
SEE REPRODUCTION MICROORGANISMS, SEXUAL DIMORPHISM-HETEROGAMY

SF ANTIGEN
SEE GLYCOPROTEINS, FIBRONECTIN

SHINGLES
SEE VIRUS DISEASES, HERPESVIRIDAE, SHINGLES (ZOSTER)

SHOCK, ENDOTOXIN
SEE BLOOD TOXICOLOGY, BACTEREMIA-SEPTICEMIA

SHOCK, SEPTICEMIC
SEE BLOOD TOXICOLOGY, BACTEREMIA-SEPTICEMIA

SHORT-TERM MODULATION, NEURONAL
SEE NEUROPHYSIOLOGY, NEUROPLASTICITY

SI
SEE SILICON

SIALIC ACIDS
SEE SUGAR ACIDS, SIALIC ACIDS

SIALIDASE
SEE CARBOHYDRASES, NEURAMINIDASE

SIBLING ORDER, POSITION
SEE FAMILY, SIBLING ORDER

SICCA SYNDROME
SEE CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME

SICKLE CELL ANEMIA
SEE HEMOPROTEINS, HEMOGLOBINOPATHIES, SICKLE CELL ANEMIA

SIGNS AND SYMPTOMS (NOT GROUPED ELSEWHERE)
SEE DISEASES, SIGNS-SYMPTOMS (NOT GROUPED ELSEWHERE)

SILASTIC
SEE PLASTICS, SILICONE RUBBER

SILICATES
R01DE-06409-03 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)

SILICATES, CERAMICS
** R03DE-07410-01 Effect of fluoride nucleation on glass-ceramic formation

SILICATES, GLASS
R01DE-05460-05 Bonding of dental porcelain to non-precious alloys
R01DE-05839-03 In vivo vs in vitro cement solubility--Correlative study
R03DE-07410-01 Effect of fluoride nucleation on glass-ceramic formation

SILICON
R01DE-05839-03 In vivo vs in vitro cement solubility--Correlative study
R01DE-06730-02 Dental implant surfaces impeding epithelial migration (rats)

SILICONE RUBBER
SEE PLASTICS, SILICONE RUBBER

SILVER (COMPOUNDS)
SEE METALS, HEAVY METALS, SILVER (COMPOUNDS)

SINGLE CELL ANALYSIS
SEE CELLS, SINGLE CELL ANALYSIS

SINGLE FILE PORE DIFFUSION
SEE BIOLOGICAL TRANSPORT, PASSIVE TRANSPORT, DIFFUSION

SINGLE UNIT (CELL) ANALYSIS
SEE CELLS, SINGLE CELL ANALYSIS

SINGLE UNIT TRAINING (AUTOGENIC)
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

SINGLET STATE
SEE ELECTRONIC SPECTRA, SINGLET STATE

SINUSES (PARANASAL)
SEE NASAL, PARANASAL SINUSES

SISTER CHROMATID EXCHANGE
SEE GENETICS, RECOMBINATION, SISTER CHROMATID EXCHANGE

SJOGREN'S SYNDROME
SEE CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME

SKELETAL DISORDERS, ARTHRITIS
P50DE-02731-19 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
R01DE-03738-13 Humoral and cellular mediators of inflammation (human, mammals)
R01DE-06671-03 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)

SKELETAL DISORDERS, ARTHRITIS, HYPERTROPHIC OSTEOARTHROPATHY
R23DE-06118-03 Acquired defects of the jaw joint (TMJ)--A model system (chickens, rabbits)

SKELETAL DISORDERS, ARTHRITIS, OSTEOARTHRITIS
R23DE-06118-03 Acquired defects of the jaw joint (TMJ)--A model system (chickens, rabbits)
R01DE-06856-02 Arthrophonometry of the temporomandibular joint (human)
P01DE-06946-02 0009 Pathophysiology of MPD and other facial pain syndromes - Surgical denervation and the structures of the TMJ
P01DE-06946-02 0011 Pathophysiology of MPD and other facial pain syndromes - Effects of altered position on articular surface of mandibular condyle (rabbits)

SKELETAL DISORDERS, ARTHRITIS, RHEUMATOID
SEE ALSO CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME
SEE ALSO IMMUNOLOGY, ANTIGEN-ANTIBODY REACTIONS, IMMUNE COMPLEXES
P50DE-02670-19 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)
** R01DE-04724-07 Cellular events in bone remodeling (rats, mice, chickens)
R23DE-06118-03 Acquired defects of the jaw joint (TMJ)--A model system (chickens, rabbits)
R01DE-06856-02 Arthrophonometry of the temporomandibular joint (human)

SKELETAL DISORDERS, BONE DEVELOPMENT
SEE ALSO CONGENITAL ABNORMALITIES, FUSION FAILURES
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL
SEE ALSO CONGENITAL ABNORMALITIES, SKELETAL (GENERAL)
SEE ALSO METABOLIC DISORDERS INBORN, MARFAN SYNDROME
SEE ALSO METABOLIC DISORDERS INBORN, OSTEOGENESIS IMPERFECTA
SEE ALSO METABOLIC DISORDERS INBORN, OSTEOPETROSIS
R01DE-04859-06 Tissue interactions in the cranio-facial region (mice, chick embryos)

SKELETAL DISORDERS, BONE DISORDERS (GENERAL)
R01DE-04327-10 Mechanical and electrical effects on osteogenesis (rats)

SKELETAL DISORDERS, BONE METABOLISM (GENERAL)
SEE ALSO CALCIUM (MINERAL) IMBALANCES
SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA
SEE ALSO METABOLIC DISORDERS INBORN, EHLERS-DANLOS SYNDROME
SEE ALSO METABOLIC DISORDERS INBORN, MARFAN SYNDROME
SEE ALSO METABOLIC DISORDERS INBORN, OSTEOGENESIS IMPERFECTA
SEE ALSO METABOLIC DISORDERS INBORN, OSTEOPETROSIS
SEE ALSO SKELETAL SYSTEM, BONE METABOLISM
R01DE-01374-25 Matrix component interactions in bone and dentin (rabbits, rats, mice)
P01DE-01850-22 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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P01DE-01850-22 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
R01DE-06007-03 Periodontal tissue changes during pregnancy-lactation (rats)

SKELETAL DISORDERS, BONE METABOLISM, OSTEOPOROSIS
SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM, RICKETS
P50DE-02600-19 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
** P50DE-02668-19 0215 Regional dental research center - Osteopenia--Factors influencing development and recovery (rats)
P50DE-02670-19 0020 Institute of dental research - Effects of trace elements on tooth development and caries
** R01DE-04724-07 Cellular events in bone remodeling (rats, mice, chickens)
R01DE-06065-05 The role of lymphoid cells in alveolar bone resorption (rats)
R03DE-06821-02 Regulation of bone cells three-dimensional culture models (mice)
R03DE-07165-01 Calcitonin receptor (mice)
R01DE-07223-01 Magnesium and calcium phosphate formation and stability (humans, fish)
R23DE-07225-01 Influence of mast cells on bone remodelling (mice)

SKELETAL DISORDERS, BONE METABOLISM, RICKETS
** R23DE-07113-02 Isolation and characterization of osteoclasts (chicks)

SKELETAL DISORDERS, BONE RESORPTION ABNORMAL
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM, OSTEOPOROSIS
** P01DE-01850-22 0091 Nutritional sources and metabolic roles of fluoride - Metabolic changes in repletion of bone and effect of fluoride intake (rats)
** P01DE-01850-22 0093 Nutritional sources and metabolic roles of fluoride - Effect of calcium deficiency on the mobilization of skeletal fluoride (rats)
** P50DE-02623-18 0034 Center for oral health research - Bacterial components inducing bone resroption
** R01DE-03420-13 Immune phenomena in experimental periodontal disease (rats)
P50DE-04881-09 0001 Clinical research in periodontal disease - Diagnosis and treatment of destructive periodontal diseases (human)
** R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)
** R23DE-06066-03 Orally induced suppression in periodontal disease (rabbits, rats)
** R01DE-06624-03 OAF synthesis in periodontal disease (human)
** R01DE-06949-01 In vitro bone resorption by products of oral bacteria (animals)
R13DE-07080-01 Gordon research conference on calcium phosphates, 1985
R23DE-07113-02 Isolation and characterization of osteoclasts (chicks)
R01DE-07128-02 Microbiology of ligature-induced periodontitis (monkeys)
R03DE-07169-01 Periodontal disease in sickle cell anemia
R01DE-07223-01 Magnesium and calcium phosphate formation and stability (humans, fish)
R01DE-07267-02 Periodontopathic bacteria--Chemical-biologic nature (animals)
R01DE-07378-01 Human osteoclast-activating factor (mice, rats)

SKELETAL DISORDERS, CARTILAGE DISORDERS
P01DE-06946-02 0011 Pathophysiology of MPD and other facial pain syndromes - Effects of altered position on articular surface of mandibular condyle (rabbits)

SKELETAL DISORDERS, JOINT DISORDERS
SEE ALSO METABOLIC DISORDERS INBORN, EHLERS-DANLOS SYNDROME
SEE ALSO SKELETAL DISORDERS, ARTHRITIS
SEE ALSO SKELETAL DISORDERS, ARTHRITIS, OSTEOARTHRITIS
** R01DE-06856-02 Arthrophonometry of the temporomandibular joint (human)
R01DE-07347-01 Magnetic resonance characteristics of TMJ tissues (humans)

SKELETAL DISORDERS, ORTHOPEDICS, ARTHRODESIS
R01DE-07347-01 Magnetic resonance characteristics of TMJ tissues (humans)

SKELETAL DISORDERS, OSSIFICATION PATHOLOGIC
SEE ALSO CALCIUM (MINERAL) IMBALANCES, CALCIFICATION PATHOLOGIC
R01DE-06552-04 Hydroxyapatite remineralization--The role of fluoride
** R01DE-06886-02 Bioactive factors from demineralized adult bone (chick embryo)

SKELETAL DISORDERS, OSTEITIS DEFORMANS
** R01DE-04724-07 Cellular events in bone remodeling (rats, mice, chickens)

SKELETAL DISORDERS CHEMOTHERAPY
SEE ALSO CALCIFICATION ENHANCING AGENTS
SEE ALSO CALCIFICATION INHIBITORS
R03DE-06821-02 Regulation of bone cells three-dimensional culture models (mice)
** P01DE-06946-02 0005 Pathophysiology of MPD and other facial pain syndromes - Diazepam, chlorazepate, carisprodol in MPD syndrome chemotherapy (human)

SKELETAL DISORDERS CONGENITAL
SEE CONGENITAL ABNORMALITIES, SKELETAL (GENERAL)

SKELETAL DISORDERS DIAGNOSIS (INCL EXAMS)*
SEE ALSO BODY PHYSICAL CHARACTERISTICS (GENERAL)
SEE ALSO MUSCLE FUNCTION, ELECTROMYOGRAPHY*
** P01DE-03568-11 0010 Craniofacial anomalies--Etiology and treatment - Components of syndromes and their classification (human)
** P01DE-03568-11 0011 Craniofacial anomalies--Etiology and treatment - Development or growth patterns in craniofacial anomalies (human)
M P01DE-05837-05 Growth, surgical, and speech aspects of cleft palate
P01DE-05837-05 0005 Growth, surgical, and speech aspects of cleft palate - Psychoeducation project (human)
** P01DE-06946-02 0007 Pathophysiology of MPD and other facial pain syndromes - Incidence of TMJ clicking in preothodontic patients
R01DE-07347-01 Magnetic resonance characteristics of TMJ tissues (humans)

SKELETAL DISORDERS DIAGNOSIS, SKELETAL SOUND MEASUREMENTS*
** R03DE-06819-02 TMJ clicking related to orthodontic therapy
** R01DE-06856-02 Arthrophonometry of the temporomandibular joint (human)

SKELETAL MOVEMENT, HEAD MOVEMENT
** R03DE-06813-02 Digastric and lateral pterygoid muscle function

SKELETAL MOVEMENT, POSTURE
R01DE-05215-07 Influences on stability following orthognathic surgerya (human)
R01DE-06881-03 Oral facial morphology and breathing--Quantitative studies (human)

SKELETAL MUSCLE
SEE MUSCLES, STRIATED MUSCLE

SKELETAL SOUND MEASUREMENTS
SEE SKELETAL DISORDERS DIAGNOSIS, SKELETAL SOUND MEASUREMENTS*

SKELETAL STRESS
** R01DE-04531-08 Strain in the facial bones (monkeys)

SKELETAL SYSTEM (GENERAL)
SEE ALSO MUSCLES
** P01DE-01850-22 0093 Nutritional sources and metabolic roles of fluoride - Effect of calcium deficiency on the mobilization of skeletal fluoride (rats)
R23DE-06618-02 Properties of motor units in human mandibular muscles

SKELETAL SYSTEM, BONE
SEE ALSO SKELETAL SYSTEM (GENERAL)
** R01DE-01374-25 Matrix component interactions in bone and dentin (rabbits, rats, mice)
** P50DE-02600-19 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
P50DE-02668-19 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)
R01DE-05030-07 Crystal chemistry of calcium phosphates (human, rats)
R01DE-05262-06 Mineralization in oral biology (mice, rats)
** R01DE-06954-01 Structural studies of matrix proteins in teeth and bone

SKELETAL SYSTEM, BONE, PERIOSTEUM
** R03DE-06940-01 Comparisons of microvessels and osteoblasts in vitro

SKELETAL SYSTEM, BONE CELLS
P50DE-02600-19 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
R01DE-04327-10 Mechanical and electrical effects on osteogenesis (rats)
** R03DE-06821-02 Regulation of bone cells three-dimensional culture models (mice)
** R01DE-06886-02 Bioactive factors from demineralized adult bone (chick embryo)
R23DE-07225-01 Influence of mast cells on bone remodelling (mice)
R03DE-07556-01 Investigation of PDGF receptors on U20s osteosarcoma cells (tissue culture)

SKELETAL SYSTEM, BONE CELLS, OSTEOBLASTS
P50DE-02668-19 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)
R01DE-06165-03 Cell biology of periodontal ligament fibroblast
R23DE-06766-02 Surgical regeneration of the periodontium (dogs)
R03DE-06821-02 Regulation of bone cells three-dimensional culture models (mice)
R01DE-06886-02 Bioactive factors from demineralized adult bone (chick embryo)
** R03DE-06940-01 Comparisons of microvessels and osteoblasts in vitro
R01DE-06949-01 In vitro bone resorption by products of oral bacteria (animals)
R03DE-07148-01 Effect of epidermal growth factor on tooth development (mice)
R23DE-07225-01 Influence of mast cells on bone remodelling (mice)

SKELETAL SYSTEM, BONE CELLS, OSTEOCLASTS
SEE ALSO IMMUNITY, CYTOKINES, LYMPHOKINES, OSTEOCLAST ACTIVATING FACTOR
SEE ALSO SKELETAL SYSTEM, BONE METABOLISM, BONE RESORPTION-REMODELING PHYSIOLOGIC
P50DE-02600-19 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
P50DE-02623-18 0034 Center for oral health research - Bacterial components inducing bone resroption
R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
** R01DE-04345-10 Cell biology of osteoclasts (chickens)
** R01DE-04724-07 Cellular events in bone remodeling (rats, mice, chickens)
P50DE-04898-09 0001 Periodontal disease research center - Oral microbiology (human)
R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)
R01DE-05494-06 Activation of macrophages in periodontal disease (mice)
R01DE-05996-04 Alveolar bone metabolism during tooth eruption (dogs)
** R01DE-06065-05 The role of lymphoid cells in alveolar bone resorption (rats)
R01DE-06949-01 In vitro bone resorption by products of oral bacteria (animals)
** R23DE-07113-02 Isolation and characterization of osteoclasts (chicks)
** R03DE-07121-01 Acid production in craniofacial osteoclasts (mice)
R03DE-07165-01 Calcitonin receptor (mice)
R23DE-07225-01 Influence of mast cells on bone remodelling (mice)

SKELETAL SYSTEM, BONE DENSITY
** P50DE-02668-19 0215 Regional dental research center - Osteopenia--Factors influencing development and recovery (rats)

SKELETAL SYSTEM, BONE DEVELOPMENT
SEE ALSO METABOLIC DISORDERS INBORN, EHLERS-DANLOS SYNDROME
M P01DE-03568-11 Craniofacial anomalies--Etiology and treatment
M P01DE-03610-19 Craniofacial growth and development
P01DE-03610-19 0016 Craniofacial growth and development - Craniofacial growth from change (human)
** P01DE-03610-19 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis
** P01DE-03610-19 0018 Craniofacial growth and development - Growth function, and adaptation of the masticatory complex (humans, monkeys)
** R01DE-04859-06 Tissue interactions in the cranio-facial region (mice, chick embryos)
** R01DE-05210-06 Acid phosphatases in developing bones and teeth (rabbits, rats)
** R01DE-05379-05 Morphogenesis and maturation of craniofacial sutures (animals)
** R01DE-05574-05 Neural aspects of craniofacial morphogenesis (frogs)
P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
** R01DE-05937-05 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R03DE-06907-02 Osteogenic potential of DBP and hydroxylapatite in dogs
** R23DE-07190-01 Craniofacial ossification during anuran metamorphosis
** R01DE-07620-01 Neural aspects of craniofacial morphogenesis (frogs)
** R01DE-07690-01 Growth and development of the human head

SKELETAL SYSTEM, BONE DEVELOPMENT, OSTEOGENESIS
SEE ALSO METABOLIC DISORDERS INBORN, OSTEOGENESIS IMPERFECTA
SEE ALSO SKELETAL SYSTEM REGENERATION, BONE REGENERATION
** R01DE-04327-10 Mechanical and electrical effects on osteogenesis (rats)
R01DE-04859-06 Tissue interactions in the cranio-facial region (mice, chick embryos)
** R03DE-06907-02 Osteogenic potential of DBP and hydroxylapatite in dogs

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
** Invented significantly to above subject

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See Appendix for investigator's name and Grant Number.

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SKELETAL SYSTEM, BONE DEVELOPMENT, OSSIFICATION NORMAL
SEE ALSO CALCIUM (MINERAL) BALANCE, CALCIFICATION PHYSIOLOGIC
** P50DE-02623-18 0030 Center for oral health research - Cellular control of mineralization
P50DE-02668-19 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
P50DE-02668-19 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)
P50DE-02668-19 0215 Regional dental research center - Osteopenia--Factors influencing development and recovery (rats)
M P50DE-02670-19 Institute of dental research
** P50DE-02670-19 0003 Institute of dental research - Macromolecules of mineralized tissues
P50DE-02670-19 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
** R01DE-04141-11 Mechanism of hard tissue mineralization (human, rats)
** R01DE-04345-10 Cell biology of osteoclasts (chickens)
R01DE-04385-10 Mechanism of dental caries
** R01DE-06533-03 Vesicles and endochondral bone formation (chickens)
** R01DE-06552-04 Hydroxyapatite remineralization--The role of fluoride
R01DE-06564-04 Remineralization of enamel caries in vitro (human)
** R23DE-06739-02 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
** R03DE-06821-02 Regulation of bone cells three-dimensional culture models (mice)
R01DE-06954-01 Structural studies of matrix proteins in teeth and bone
** R01DE-07431-08 Ultrastructual studies of mineralized tissue (chicks, rats)

SKELETAL SYSTEM, BONE METABOLISM
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM (GENERAL)
P50DE-02670-19 0003 Institute of dental research - Macromolecules of mineralized tissues
R01DE-04141-11 Mechanism of hard tissue mineralization (human, rats)
R01DE-04345-10 Cell biology of osteoclasts (chickens)
** R01DE-05937-05 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
** R23DE-06739-02 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
** R03DE-06821-02 Regulation of bone cells three-dimensional culture models (mice)

SKELETAL SYSTEM, BONE METABOLISM, BONE RESORPTION-REMODELING PHYSIOLOGIC
SEE ALSO IMMUNITY, CYTOKINES, LYMPHOKINES, OSTEOCLAST ACTIVATING FACTOR
SEE ALSO SKELETAL SYSTEM, BONE CELLS, OSTEOCLASTS
P01DE-01850-22 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
** P50DE-02600-19 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
** P50DE-02668-19 0215 Regional dental research center - Osteopenia--Factors influencing development and recovery (rats)
R01DE-03598-10 Dentotacial effects of forces to retract the maxilla (human)
R01DE-04327-10 Mechanical and electrical effects on osteogenesis (rats)
** R01DE-04345-10 Cell biology of osteoclasts (chickens)
** R01DE-04724-07 Cellular events in bone remodeling (rats, mice, chickens)
P50DE-04898-09 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
** R01DE-05396-05 Craniofacial adaptations after total maxillary osteotomy (monkeys)
R01DE-05494-06 Activation of macrophages in periodontal disease (mice)
** R01DE-05558-05 Sensory alterations of craniofacial form (monkeys)
R01DE-06007-03 Periodontal tissue changes during pregnancy-lactation (rats)
** R01DE-06065-05 The role of lymphoid cells in alveolar bone resorption (rats)
R23DE-06851-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)
R23DE-07006-01 Synthesis of a craniofacial wound healing factor (human)
R23DE-07113-02 Isolation and characterization of osteoclasts (chicks)
R03DE-07165-01 Calcitonin receptor (mice)
** R01DE-07220-01 Bioactive factors in skeletal repair (rabbits, rats)
** R23DE-07225-01 Influence of mast cells on bone remodelling (mice)
R01DE-07332-01 Analysis of utility of implants in craniofacial research
R03DE-07556-01 Investigation of PDGF receptors on U20s osteosarcoma cells (tissue culture)
R23DE-07559-01 Synthesis of a craniofacial wound healing factor (human)

SKELETAL SYSTEM, CARTILAGE
P50DE-02670-19 0003 Institute of dental research - Macromolecules of mineralized tissues
** P50DE-02731-19 0031 Development support for dental research institute - Biochemistry laboratory (human)
R01DE-05262-06 Mineralization in oral biology (mice, rats)

SKELETAL SYSTEM, CARTILAGE CELLS
P50DE-02731-19 0031 Development support for dental research institute - Biochemistry laboratory (human)
R01DE-04327-10 Mechanical and electrical effects on osteogenesis (rats)
R01DE-05937-05 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
** R01DE-06533-03 Vesicles and endochondral bone formation (chickens)
R01DE-06886-02 Bioactive factors from demineralized adult bone (chick embryo)

SKELETAL SYSTEM, CARTILAGE DEVELOPMENT
P01DE-03610-19 0016 Craniofacial growth and development - Craniofacial growth from change (human)
** P01DE-03610-19 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis
** P01DE-03610-19 0018 Craniofacial growth and development - Growth function, and adaptation of the masticatory complex (humans, monkeys)
R01DE-04859-06 Tissue interactions in the cranio-facial region (mice, chick embryos)
P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
R01DE-06632-03 Origin and patterning of head muscles, bones and nerves (quail, chick embryos)
** R23DE-06982-02 Biomechanical influences on condylar cartilage growth (rats)
** R01DE-07431-08 Ultrastructual studies of mineralized tissue (chicks, rats)

SKELETAL SYSTEM, CARTILAGE METABOLISM
SEE ALSO CONNECTIVE TISSUE DISORDERS, COLLAGEN DISEASES
R01DE-04141-11 Mechanism of hard tissue mineralization (human, rats)

SKELETAL SYSTEM, JOINT, KNEE
** R23DE-06118-03 Acquired defects of the jaw joint (TMJ)--A model system (chickens, rabbits)

SKELETAL SYSTEM, LIGAMENT
R01DE-03745-14 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
R23DE-07075-01 Tissue interactions in root development (mice)

SKELETAL SYSTEM, LIMB
R01DE-05838-06 Morphogenetic role of glycosaminoglycans (chick embryo)

SKELETAL SYSTEM, LIMB BONES, FEMUR
R01DE-07220-01 Bioactive factors in skeletal repair (rabbits, rats)
R01DE-07431-08 Ultrastructual studies of mineralized tissue (chicks, rats)

SKELETAL SYSTEM, LIMB BONES, TIBIA
R23DE-07113-02 Isolation and characterization of osteoclasts (chicks)

SKELETAL SYSTEM, PELVIC BONES, ILIUM
R01DE-07220-01 Bioactive factors in skeletal repair (rabbits, rats)

SKELETAL SYSTEM, SKULL
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL
SEE ALSO NASAL, NOSE
SEE ALSO ORAL-FACIAL RESTORATION
SEE ALSO ORAL-PHARYNGEAL, JAW
SEE ALSO ORAL-PHARYNGEAL, PALATE
** P50DE-02668-19 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
R01DE-03598-10 Dentofacial effects of forces to retract the maxilla (human)
M P01DE-03610-19 Craniofacial growth and development
** P01DE-03610-19 0016 Craniofacial growth and development - Craniofacial growth from change (human)
R01DE-04531-08 Strain in the facial bones (monkeys)
** R01DE-04859-06 Tissue interactions in the cranio-facial region (mice, chick embryos)
** R01DE-05232-07 Musculoskeletal adaptation to increased midfacial height (monkeys)
** R01DE-05574-05 Neural aspects of craniofacial morphogenesis (frogs)
R01DE-05728-04 Role of chemoreceptors in craniofacial function (lambs)
** R01DE-06632-03 Origin and patterning of head muscles, bones and nerves (quail, chick embryos)
R01DE-06634-02 Cyclosporine in craniofacial composite tissue allografts (human, mammals)
R03DE-06817-02 Maxillary expansion using laser speckiegrammetry (human)
P01DE-06946-02 0004 Pathophysiology of MPD and other facial pain syndromes - Xeroradiographic tomography of the temporomandibular joint
** R01DE-07120-02 Cell-substrate interaction in craniofacial morphogenesis
** R23DE-07190-01 Craniofacial ossification during anuran metamorphosis
** R01DE-07620-01 Neural aspects of craniofacial morphogenesis (frogs)

SKELETAL SYSTEM, SKULL, CRANIAL SUTURES
** R01DE-05379-05 Morphogenesis and maturation of craniofacial sutures (animals)
** R23DE-06909-03 Experimentally induced premature craniosynostosis (rabbits)

SKELETAL SYSTEM, TENDONS
SEE ALSO MUSCLES
** P01DE-06946-02 0010 Pathophysiology of MPD and other facial pain syndromes - Tendon in normal and fatigued states (rat, human)

SKELETAL SYSTEM CIRCULATION
R01DE-05605-05 The humoral regulation of pulp circulation (rats, dogs)

SKELETAL SYSTEM REGENERATION
** P01DE-07687-04 0001 Regeneration and transplantation of skeletal muscle - Molecular dynaimics of synapse formation in regenerating muscle (rats)
** P01DE-07687-04 0002 Regeneration and transplantation of skeletal muscle - Synapse formation in regenerating muscle (rats)
** P01DE-07687-04 0006 Regeneration and transplantation of skeletal muscle - Control of protein synthesis in regenerating muscle (rat)
** P01DE-07687-04 0007 Regeneration and transplantation of skeletal muscle - Hormonal regulation of muscle regeneration (rat)

SKELETAL SYSTEM REGENERATION, BONE REGENERATION
SEE ALSO SKELETAL SYSTEM, BONE DEVELOPMENT, OSTEOGENESIS
R01DE-06250-03 Histologic evaluation of new attachments in humans
R03DE-06907-02 Osteogenic potential of DBP and hydroxylapatite in dogs
** R01DE-07220-01 Bioactive factors in skele' repair (rabbits, rats)

SKELETAL TISSUE TRANSPLANTATION
** R01DE-06634-02 Cyclosporine in craniofacial composite tissue allografts (human, mammals)

SKELETAL TISSUE TRANSPLANTATION, BONE
R01DE-06250-03 Histologic evaluation of new attachments in humans
R01DE-06634-02 Cyclosporine in craniofacial composite tissue allografts (human, mammals)

SKELETAL TISSUE TRANSPLANTATION, CARTILAGE
R01DE-06634-02 Cyclosporine in craniofacial composite tissue allografts (human, mammals)

SKIN (GENERAL)
SEE ALSO FIBROUS PROTEINS, KERATIN
SEE ALSO GROWTH FACTORS (INCL. ANABOLICS), EPIDERMAL GROWTH FACTOR
R01DE-03318-14 The molecular nature of gingival and mucosal collagen (rats)
** R01DE-04660-10 Keratohyalin in keratinization--Oral mucosa and skin (human)
R23DE-06091-03 Primary human cells--A model for materials testing (tissue culture)
R23DE-06849-03 Identification of intraoral mucosal wound hyaluronidase (rabbits)
R23DE-07190-01 Craniofacial ossification during anuran metamorphosis

SKIN, DERMATOGLYPHICS
R01DE-07062-01 Cleft lip and palate in Los Angeles Hispanics

SKIN DISORDERS, ACANTHOSIS NIGRICANS
** R01DE-06076-03 Pathobiology of oral mucosa (rabbits)

SKIN DISORDERS, ERYTHEMA (GENERAL)
SEE ALSO CONNECTIVE TISSUE DISORDERS, LUPUS ERYTHEMATOSUS SYSTEMIC
R01DE-07376-01 Biochemical profile for gingival crevicular fluid

SKIN DISORDERS, KELOID
SEE ALSO INJURIES, SCARS
R01DE-06671-03 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)

SKIN DISORDERS, SKIN HYPERSENSITIVITY, SCLERODERMA
R01DE-06671-03 Phenytoin--Pathogenesis of gingival overgrowth (cats, dogs)

SKIN DISORDERS, SKIN KERATOSIS
R01DE-06076-03 Pathobiology of oral mucosa (rabbits)

SKIN NEOPLASMS
SEE NEOPLASMS OF SKIN

SKIN PIGMENTATION
SEE PIGMENTATION

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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SKIN TRANSPLANTATION
R01DE-07086-01 Development of artificial oral mucosa (rabbits)

SKULL
SEE SKELETAL SYSTEM, SKULL

SKULL ABNORMALITIES
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL

SL-A LOCUS (PIG)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

SLEEP
SEE PSYCHIC ACTIVITY LEVEL, SLEEP

SLIME, BACTERIAL
SEE BACTERIAL CAPSULE

SLIME-MOLD LECTINS
SEE PROTEINS, LECTINS (NON-PLANT)

SLOW CHANNEL CALCIUM ION FLUX BLOCKING AGENTS
SEE CALCIUM, CALCIUM ANTAGONISTS

SLOW RELEASE DENTAL CARIES INHIBITORS
SEE DENTAL CARIES INHIBITORS, SLOW RELEASE

SLOW VIRUS DISEASES
SEE VIRUS DISEASE CHARACTERISTICS, LATENT DORMANT OR SLOW

SMALL CELL CARCINOMA OF LUNG
SEE NEOPLASMS OF RESPIRATORY SYSTEM, OAT CELL CARCINOMA

SMALL LYMPHOCYTE DEPENDENT IMMUNE SYSTEM
SEE IMMUNITY, CELLULAR IMMUNITY (GENERAL)

SMOG
SEE AIR POLLUTION

SMOKING TOBACCO
SEE PSYCHOLOGY, HABITS, SMOKING

SMOLDERING VIRUS DISEASES
SEE VIRUS DISEASE CHARACTERISTICS, LATENT DORMANT OR SLOW

SMOOTH MUSCLE
SEE MUSCLES, SMOOTH MUSCLE

SMOOTH MUSCLE, VASCULAR
SEE CARDIOVASCULAR SYSTEM, BLOOD VESSELS, VASCULAR SMOOTH MUSCLE

SN
SEE METALS, HEAVY METALS, TIN (COMPOUNDS)

SO ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

SOCIAL ADJUSTMENT
SEE PSYCHOLOGY SOCIAL, SOCIAL ADJUSTMENT

SOCIAL BEHAVIOR
SEE PSYCHOLOGY SOCIAL, SOCIAL BEHAVIOR

SOCIAL CONSCIOUSNESS
SEE PSYCHOLOGY SOCIAL, SOCIAL PERCEPTION

SOCIAL GROUPS, ETHNIC, AMERICAN INDIANS
** R01DE-06514-04 Oral diseases and diabetes in the Gila River Indian Community

SOCIAL GROUPS, ETHNIC, AMERICANS, ASIAN AMERICANS
R01DE-07062-01 Cleft lip and palate in Los Angeles Hispanics

SOCIAL GROUPS, ETHNIC, AMERICANS, BLACK AMERICANS
R01DE-07062-01 Cleft lip and palate in Los Angeles Hispanics

SOCIAL GROUPS, ETHNIC, AMERICANS, HISPANICS
R01DE-07062-01 Cleft lip and palate in Los Angeles Hispanics
** R03DE-07130-01 Epidemiology of oral disease in Hispanic Americans

SOCIAL GROUPS, ETHNIC, AMERICANS, WHITE AMERICANS
R01DE-07062-01 Cleft lip and palate in Los Angeles Hispanics

SOCIAL GROUPS, RACIAL STOCKS
P01DE-03610-19 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis
R01DE-06069-03 A genetic study of cleft lip and cleft palate in Hawaii
R01DE-07204-01 Family studies of early onset periodontitis (human)
N01DE-22438-08 Relationship of dietary intake to caries incidence (human)

SOCIAL GROUPS, RACIAL STOCKS, BLACK RACE
SEE ALSO SOCIAL GROUPS, ETHNIC, AMERICANS, BLACK AMERICANS
R01DE-07690-01 Growth and development of the human head

SOCIAL HORMONES AND PHEROMONES
SEE ENDOCRINOLOGY, SOCIAL HORMONES AND PHEROMONES

SOCIAL MODELS
SEE MODELS, SOCIAL MODELS

SOCIAL PERCEPTION
SEE PSYCHOLOGY SOCIAL, SOCIAL PERCEPTION

SOCIAL PSYCHOLOGY
SEE PSYCHOLOGY SOCIAL (SEE ALSO SOCIAL...)

SOCIAL SELF-RELIANCE, DEPENDENCY-INDEPENDENCY
R03DE-07290-01 Self-monitoring to improve oral health of depressed aged

SOCIAL STRESSORS
SEE STRESS, PSYCHOSOCIAL STRESSORS

SOCIAL SUPPORT NETWORKS
SEE ALSO PSYCHOLOGY SOCIAL COOPERATION
SEE ALSO PSYCHOLOGY SOCIAL, INTERPERSONAL RELATIONS
R01DE-05989-04 Myofascial pain-dysfunction syndrome and life stress (human)
R01DE-06417-02 Factors influencing long-term oral self-care (human)

SOCIOECONOMICS
N01DE-22438-08 Relationship of dietary intake to caries incidence (human)

SOCIOENVIRONMENT
SEE ALSO FAMILY
R01DE-05497-04 Dental disease and work loss (human)
R01DE-05989-04 Myofascial pain-dysfunction syndrome and life stress (human)

SOCIOENVIRONMENT, RURAL AREAS
R01DE-05622-04 Rx for dental patients at risk for endocarditis (dentists)

SOCIOENVIRONMENT, URBAN AREAS
R01DE-05622-04 Rx for dental patients at risk for endocarditis (dentists)

SODIUM
R01DE-06185-02 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-07223-01 Magnesium and calcium phosphate formation and stability (humans, fish)

SODIUM-POTASSIUM PUMP
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, SODIUM-POTASSIUM PUMP

SODIUM PUMP
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, SODIUM PUMP

SODIUM SALICYLATE
SEE PHENYLCARBOXYLATES, SALICYLATES

SOFT-WIRED NERVOUS SYSTEM
SEE NEUROPHYSIOLOGY, NEUROPLASTICITY

SOIL
SEE ALSO CHEMICALS (GENERAL), MINERALS (GENERAL)
R13DE-07080-01 Gordon research conference on calcium phosphates, 1985

SOLANUM
SEE ALKALOIDS, MORPHINES

SOLUBILITY
SEE PHYSICAL PROPERTIES, SOLUBILITY

SOLUTES
SEE PHYSICAL PROPERTIES, SOLUTES

SOLUTIONS (DOSAGE FORM)
SEE DOSAGE FORMS

SOLVATION ENERGIES
SEE BIOLOGICAL TRANSPORT, TRANSPORT ENERGETICS

SOLVENTS
SEE PHYSICAL PROPERTIES, SOLVENTS

SOMATESTHESIA
SEE SENSORY-PERCEPTUAL PROCESSES, SOMESTHESIS

SOMATIC AFFERENT NERVES
SEE NERVOUS SYSTEM, AFFERENT NERVES, SOMATIC AFFERENT NERVES

SOMATIC ANTIGENS, NONMICROBIAL
SEE IMMUNOLOGY, ANTIGENS, SURFACE ANTIGENS (GENERAL)

SOMATIC CELL GENETICS
SEE GENETICS, SOMATIC CELL AND TRANSFORMATION

SOMATIC REFLEXES
SEE NEUROPHYSIOLOGY, REFLEX, SOMATIC REFLEXES

SOMATOLOGY (GENERAL)
SEE BODY PHYSICAL CHARACTERISTICS (GENERAL)

SOMATOSENSORY MOTOR SYSTEM (GENERAL)
SEE NEUROMOTOR SYSTEM, SENSORIMOTOR SYSTEMS (GENERAL)

SOMATOSTATIN
SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN

SOMATOTROPIN RELEASE-INHIBITING FACTOR
SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN

SOMESTHESIS
SEE SENSORY-PERCEPTUAL PROCESSES, SOMESTHESIS

SOMESTHETIC SENSORY AREA
SEE BRAIN, CEREBRAL CORTEX, SOMESTHETIC SENSORY AREA

SOMNIFACIENTS
SEE PSYCHOPHARMACOLOGICAL AGENTS, HYPNOTICS AND SEDATIVES

SOPORIFICS
SEE PSYCHOPHARMACOLOGICAL AGENTS, HYPNOTICS AND SEDATIVES

SOUND
SEE PHYSICAL PROPERTIES, SOUND

SOUND IMPEDANCE
SEE PHYSICAL PROPERTIES, SOUND IMPEDANCE

SOUND MEASUREMENTS, JOINTS
SEE SKELETAL DISORDERS DIAGNOSIS, SKELETAL SOUND MEASUREMENTS*

SPANISH (SPAIN) AMERICANS
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, HISPANICS

SPANISH-SPEAKING AMERICANS
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, HISPANICS

SPASM
SEE NEUROMOTOR DISORDERS, SPASM

SPECIAL (REMEDIAL) EDUCATION
SEE EDUCATION, SPECIAL (REMEDIAL)

SPECIES
SEE BIOLOGY, SYSTEMATIC, SPECIES

SPECIFIC GRAVITY
SEE PHYSICAL PROPERTIES, DENSITY (SPECIFIC GRAVITY)

SPECTROSONOGRAPHY (JOINTS)
SEE SKELETAL DISORDERS DIAGNOSIS, SKELETAL SOUND MEASUREMENTS*

SPEECH
SEE INFORMATION-COMMUNICATION BEHAVIOR, SPEECH

SPEECH DISORDERS
SEE INFORMATION-COMMUNICATION DISORDERS, SPEECH DISORDERS

SPEECH DISORDERS DIAGNOSIS
SEE INFORMATION-COMMUNICATION DISORDERS, SPEECH DISORDERS DIAGNOSIS

SPEECH SYNTHESIZER
SEE INFORMATION AND COMMUNICATION, VOICE SYNTHESIZER

SPEECH THERAPY
SEE INFORMATION-COMMUNICATION DISORDERS, SPEECH THERAPY

SPERMIDINE
SEE AMINES, SPERMIDINE

SPERMINE
SEE AMINES, SPERMINE

SPINAL CORD MAPPING
SEE NERVOUS SYSTEM CENTRAL, SPINAL CORD MAPPING

SPIRAL AND CURVED BACTERIA
SEE BACTERIA, PSEUDOMONADALES, SPIRILLACEAE*
SEE BACTERIA, PSEUDOMONADALES, VIBRIO*

SPIRILLACEAE
SEE BACTERIA, PSEUDOMONADALES, SPIRILLACEAE*

SPIROCHETAL DISEASES
SEE BACTERIAL DISEASES, SPIROCHETAL DISEASES (GENERAL)

SPIROCHETES
SEE BACTERIA, SPIROCHETES*

SPLICING, GENE (GENETIC MANIPULATION)
SEE GENETIC MANIPULATION

SPONTANEOUS CELL-MEDIATED CYTOTOXICITY
SEE IMMUNITY, CELLULAR, CELL-MEDIATED IMMUNE RESPONSES

SPREADING FACTOR
SEE CARBOHYDRASES, HYALURONIDASE

SQUAMOUS CELL CARCINOMA
SEE NEOPLASMS, CARCINOMA EPIDERMOID

SR
SEE METALS, ALKALINE EARTH METALS, STRONTIUM (COMPOUNDS)

STABILITY, CHEMICAL
SEE CHEMICAL STABILITY

(contd).

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

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See Appendix for investigator's name and Grant Number.

STANDARDIZATION
SEE FOOD SCIENCES AND TECHNOLOGY, FOOD QUALITY-STANDARDS
SEE TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES

STANDARDS, DIAGNOSTIC
SEE DIAGNOSTIC QUALITY-STANDARDS

STANDARDS FOR HEALTH CARE QUALITY
SEE HEALTH CARE QUALITY

STANDARDS FOR INFORMATION GATHERING METHODS (GENERAL)
SEE INFORMATION GATHERING METHODS EVALUATION-STANDARDS

STANNOUS FLUORIDE
SEE HALOGENS, FLUORINE (COMPOUNDS) SEE ALSO SPECIFICS

STAPHYLOCOCCUS AUREUS
SEE BACTERIA, MICROCOCCACEAE, STAPHYLOCOCCUS AUREUS*

STATISTICAL MODELS
SEE MODELS, MATHEMATICAL

STATISTICAL SERVICE AND CENTERS
** P50DE-07118-01 9001 Periodontal diseases research center - Core--Data processing and statistics

STATISTICS
SEE MATHEMATICS, STATISTICS (INCLUDING BIOMETRY)

STATUS DYSRAPHICUS
SEE CONGENITAL ABNORMALITIES, FUSION FAILURES

STEATORRHEA, CONGENITAL PANCREATIC
SEE METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS

STEREOCHEMISTRY
SEE CHEMICAL STRUCTURE, STEREOCHEMISTRY

STEROID HORMONES
SEE ENDOCRINOLOGY, HORMONES, STEROID HORMONES

STEROID METABOLISM
** P50DE-02668-19 0213 Regional dental research center - Action of androgen on submaxillary gland function

STEROIDS
SEE ALSO ENDOCRINOLOGY, HORMONES, STEROID HORMONES
R03DE-07012-02 Therapeutic regimens for dental surgery

STEROIDS HAVING CHOLECALCIFEROL ACTIVITY
SEE VITAMINS, VITAMIN D (GENERAL)

STIMULANTS, GROWTH
SEE GROWTH FACTORS (INCL. ANABOLICS)

STIMULUS-RESPONSE (GENERAL)
SEE ALSO EAR, HEARING, AUDIOSTIMULUS
SEE ALSO ELECTROPOTENTIALS, EVOKED POTENTIALS
SEE ALSO ELECTROSTIMULUS
SEE ALSO EYE, VISUAL STIMULUS
SEE ALSO TEMPERATURE, HEAT, CALORIC STIMULATION
** R01DE-06294-04 Effects of physiological feedback on dental fear (human)
R01DE-06943-02 Central projections of MES V afferents (cats)
P01DE-06946-02 0013 Pathophysiology of MPD and other facial pain syndromes - Psychophysiologic response of MPD patients to pain

STOICHIOMETRY
SEE CHEMISTRY, STOICHIOMETRY

STOMATITIS, APHTHOUS
SEE ORAL-PHARYNGEAL DISORDERS, STOMATITIS, APHTHOUS

STRATUM CORNEUM (EPIDERMIS)
SEE SKIN (GENERAL)

STREPTOCOCCACEAE
SEE BACTERIA, STREPTOCOCCACEAE*

STREPTOCOCCAL INFECTIONS
SEE BACTERIAL DISEASES, STREPTOCOCCAL INFECTIONS

STREPTOCOCCAL VACCINE
SEE VACCINES, BACTERIAL, STREPTOCOCCAL VACCINES

STREPTOCOCCUS
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS*

STREPTOCOCCUS GROUP A
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS GROUP A*

STREPTOCOCCUS GROUP D
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS, ENTEROCOCCUS GROUP*

STREPTOCOCCUS HEMOLYTICUS (S.PYOGENES)
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS GROUP A*

STREPTOCOCCUS MITIS
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS MITIS*

STREPTOCOCCUS MUTANS
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS MUTANS*

STREPTOCOCCUS PYOGENES (S. HEMOLYTICUS)
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS GROUP A*

STREPTOCOCCUS SALIVARIUS
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS SALIVARIUS

STREPTOCOCCUS SANGUIS
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS SANGUIS*

STREPTOZOTOCIN
SEE ANTIBIOTICS, STREPTOZOTOCIN

STRESS
SEE ALSO ENVIRONMENT, ADAPTATION
R01DE-05305-05 Behavioral approaches to pain responses in pedodontics (children)
R01DE-06417-02 Factors influencing long-term oral self-care (human)
R01DE-06521-02 Behavioral response enhancement after periodontal surgery (human)
** R23DE-06546-02 Assessment and treatment of mandibular pain-dysfunction (human)
** R01DE-06551-02 Stress, host factors, and acute necrotizing gingivitis (human)
** R23DE-06865-02 Child desensitization for dental visits (human)
** R01DE-06900-01 Immunology of oral herpes simplex viral infections (human)
P01DE-06946-02 0014 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)
R23DE-07233-01 Multivariate analysis of saliva antimicrobial proteins (humans)
R01DE-07514-01 TMJS/TMPDS--Evaluating structural and functional models (human)

STRESS, ENVIRONMENTAL STRESSORS
SEE ALSO PHYSICAL PROPERTIES, SOUND
SEE ALSO RESPIRATORY GAS LEVELS, HYPOXIA, RESPIRATORY
SEE ALSO TEMPERATURE (SEE ALSO THERM...)
R01DE-06900-01 Immunology of oral herpes simplex viral infections (human)
R01DE-07197-01 Epidemiologic studies of temporomandibular disorders (human)

STRESS, PHYSIOLOGICAL STRESSORS
SEE ALSO AGE (HUMAN)
SEE ALSO AGING
SEE ALSO PREGNANCY
** R23DE-06546-02 Assessment and treatment of mandibular pain-dysfunction (human)
R01DE-06900-01 Immunology of oral herpes simplex viral infections (human)
R01DE-07197-01 Epidemiologic studies of temporomandibular disorders (human)
R01DE-07514-01 TMJS/TMPDS--Evaluating structural and functional models (human)

STRESS, PSYCHOSOCIAL STRESSORS
SEE ALSO PSYCHOLOGY SOCIAL (SEE ALSO SOCIAL...)
SEE ALSO TRAVEL
R01DE-04358-09 Treatment of temporomandibular joint pain
** R01DE-04494-08 Control of stress during dental procedures (human)
R01DE-05305-05 Behavioral approaches to pain responses in pedodontics (children)
R01DE-05369-07 Factors affecting dental postoperative pain (human)
** R01DE-05989-04 Myofascial pain-dysfunction syndrome and life stress (human)
R01DE-06294-04 Effects of physiological feedback on dental fear (human)
R01DE-06417-02 Factors influencing long-term oral self-care (human)
R01DE-06521-02 Behavioral response enhancement after periodontal surgery (human)
R23DE-06522-03 Schooling and work setting--Effects on dental hygienists
** R23DE-06546-02 Assessment and treatment of mandibular pain-dysfunction (human)
** R01DE-06551-02 Stress, host factors, and acute necrotizing gingivitis (human)
** R23DE-06865-02 Child desensitization for dental visits (human)
R01DE-06900-01 Immunology of oral herpes simplex viral infections (human)
** R03DE-07052-01 Factors related to coping with orthognathic surgery
R01DE-07197-01 Epidemiologic studies of temporomandibular disorders (human)
R01DE-07514-01 TMJS/TMPDS--Evaluating structural and functional models (human)

STRESS, ENVIRONMENTAL
SEE STRESS

STRESS MECHANICAL
SEE PHYSICAL PROPERTIES, MECHANICAL STRESS

STRESS, MUSCLE
SEE MUSCLE FUNCTION, MUSCLE STRESS

STRESS PSYCHOLOGIC
SEE STRESS

STRESSORS, ENVIRONMENTAL
SEE STRESS, ENVIRONMENTAL STRESSORS

STRESSORS, PHYSIOLOGICAL
SEE STRESS, PHYSIOLOGICAL STRESSORS

STRESSORS, PSYCHOLOGICAL
SEE STRESS, PSYCHOSOCIAL STRESSORS

STRESSORS, PSYCHOSOCIAL
SEE STRESS, PSYCHOSOCIAL STRESSORS

STRESSORS, SOCIAL
SEE STRESS, PSYCHOSOCIAL STRESSORS

STRETCH REFLEX
SEE MUSCLE FUNCTION, MUSCLE STRETCH REFLEX

STRIATED MUSCLE
SEE MUSCLES, STRIATED MUSCLE

STROMA, CELL
SEE CELL COMPONENTS, CELL STROMA

STRONTIUM (COMPOUNDS)
SEE METALS, ALKALINE EARTH METALS, STRONTIUM (COMPOUNDS)

STROPHANTHIN G
SEE CARDIAC GLYCOSIDES, OUABAIN

STRUCTURAL CHEMISTRY
SEE CHEMICAL STRUCTURE

STRUCTURAL GENE
SEE GENETICS, GENES, OPERON, STRUCTURAL GENE

STRUCTURAL MODELS
SEE MODELS, STRUCTURAL MODELS

STRUCTURE OF CARBOHYDRATES
SEE CARBOHYDRATES STRUCTURE

STRUCTURE OF NUCLEIC ACIDS
SEE NUCLEIC ACIDS STRUCTURE

STRUCTURE OF PROTEINS-PEPTIDES
SEE PROTEINS-PEPTIDES STRUCTURE

STUART FACTOR
SEE BLOOD COAGULATION, FACTOR X

STUDENT HEALTH SERVICES
SEE HEALTH CARE SERVICES, STUDENT HEALTH SERVICES

STYRENE POLYMERS
SEE PLASTICS, STYRENE POLYMERS

SUBCUTANEOUS FIBROSIS
SEE CONNECTIVE TISSUE HYPERPLASIA, FIBROSIS SUBCUTANEOUS

SUBGINGIVAL CURETTAGE
SEE DENTISTRY, SUBGINGIVAL CURETTAGE

SUBLINGUAL GLAND
SEE ORAL-PHARYNGEAL, SALIVARY GLANDS, SUBLINGUAL

SUBMANDIBULAR GLAND
SEE ORAL-PHARYNGEAL, SALIVARY GLANDS, SUBMANDIBULAR

SUBMAXILLARY GLAND
SEE ORAL-PHARYNGEAL, SALIVARY GLANDS, SUBMANDIBULAR

SUBSTANCE P (PEPTIDE)
SEE PEPTIDES, SUBSTANCE P

SUBSTITUTION REACTIONS (CHEMISTRY)
SEE CHEMICAL REACTIONS, SUBSTITUTION

SUCCINATE:(ACCEPTOR) OXIDOREDUCTASE
SEE OXIDOREDUCTASES, SUCCINATE:(ACCEPTOR) OXIDOREDUCTASE

SUCCINIC ACID
SEE DICARBOXYLIC ACIDS, SUCCINIC ACID

SUCRASE
SEE CARBOHYDRASES, BETA-FRUCTOFURANOSIDASE

SUCROSE
SEE DISACCHARIDES, SUCROSE

SUCROSE ALPHA-D-GLUCOHYDROLASE
SEE CARBOHYDRASES, BETA-FRUCTOFURANOSIDASE

SUGAR ACIDS, MURAMIC ACID
R01DE-05494-06 Activation of macrophages in periodontal disease (mice)
N01DE-42551-01 Develop antigens and adjuvants for carries immunity

SUGAR ACIDS, SIALIC ACIDS
R01DE-05632-05 Development of salivary gland secretory function (rats)
R01DE-07341-01 Second messenger function in exocrine glands (rats)

SUGAR TRANSPORT
SEE CARBOHYDRATES TRANSPORT (GENERAL)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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SUGARS, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY CARBOHYDRATES

SUGGESTION
SEE PSYCHOLOGY, SUGGESTION

SULFATASES, ARYLSULFATASES
R01DE-07376-01 Biochemical profile for gingival crevicular fluid

SULFATION
R01DE-05666-05 Biochemistry of salivary lipids (rats, human)

SULFENIC ACIDS
R01DE-04235-09 Peroxidase in saliva and prevention of oral disease (human, S mutants)

SULFHYDRYLS
R01DE-04235-09 Peroxidase in saliva and prevention of oral disease (human, S mutants)

SULFONAMIDES
R01DE-05476-05 Novel peptide derived sweeteners

SULFONAMIDES, ACETAZOLAMIDE
R03DE-07121-01 Acid production in craniofacial osteoclasts (mice)

SULFOXIDES, DIMETHYL SULFOXIDE
R23DE-07107-02 Cyclic nucleotides and prostaglandins in cleft palate (mice)

SULFUR (COMPOUNDS) --SEE ALSO THI...
R01DE-06373-03 Saliva formation studied by microprobe analysis (rats)

SULFUR AMINO ACIDS, METHIONINE
R03DE-07157-01 Studies on nitrous oxide teratogenesis (rats)

SULTHIAME
SEE SULFONAMIDES

SUNLIGHT
SEE RADIATION, ELECTROMAGNETIC WAVES, ULTRAVIOLET RAYS (290NM TO 380NM)

SUPEROXIDE
SEE OXIDES, SUPEROXIDE

SUPPOSITORIES
SEE DOSAGE FORMS

SUPPRESSOR T LYMPHOCYTES
SEE BLOOD CELLS, T LYMPHOCYTES, SUPPRESSOR

SURFACE ACTIVE AGENTS
SEE PHYSICAL PROPERTIES, SURFACTANTS

SURFACE ACTIVITY, CELLULAR
SEE MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)

SURFACE ANTIGENS
SEE IMMUNOLOGY, ANTIGENS, SURFACE ANTIGENS (GENERAL)

SURFACE PROPERTIES (GENERAL)
SEE PHYSICAL PROPERTIES, SURFACE PROPERTIES (GENERAL)

SURFACTANTS
SEE PHYSICAL PROPERTIES, SURFACTANTS

SURGERY
SEE ALSO NEOPLASMS SURGERY
SEE ALSO ORAL-FACIAL RESTORATION
SEE ALSO ORAL SURGERY
SEE ALSO PARATHYROIDECTOMY
SEE ALSO PHOTOTHERAPY, LASER THERAPY
SEE ALSO PROSTHESIS
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION
** R01DE-05396-05 Craniofacial adaptations after total maxillary osteotomy (monkeys)

SURGERY, MICROSURGERY AND MICRODISSECTION
R01DE-06634-02 Cyclosporine in craniofacial composite tissue allografts (human, mammals)

SURGERY, OTOLARYNGOLOGIC, ADENOIDECTOMY
P01DE-02872-16 0062 Center for craniofacial anomalies - Growth studies

SURGERY, OTOLARYNGOLOGIC, TONSILLECTOMY
P01DE-02872-16 0062 Center for craniofacial anomalies - Growth studies

SURGERY, PLASTIC
SEE ALSO ORAL-FACIAL RESTORATION
P01DE-02872-16 0062 Center for craniofacial anomalies - Growth studies
R01DE-05396-05 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-06570-04 Psychosocial evaluation of craniofacial patients
** R01DE-06634-02 Cyclosporine in craniofacial composite tissue allografts (human, mammals)
R23DE-06851-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)
R01DE-06957-02 Nasal airway and respiratory mode in cleft palate (human)

SURGERY, POSTOPERATIVE
SEE ALSO DISEASES, COMPLICATIONS, POSTOPERATIVE
P01DE-05130-06 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
P01DE-05837-05 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
** P01DE-05837-05 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
R01DE-06521-02 Behavioral response enhancement after periodontal surgery (human)
P01DE-06946-02 0008 Pathophysiology of MPD and other facial pain syndromes - TMJ symptoms in pre- and post-orthognathic surgery patients
R03DE-07012-02 Therapeutic regimens for dental surgery
** R03DE-07170-01 Pharmacological control of post-operative swelling (human)

SURGERY, PREOPERATIVE
R01DE-06521-02 Behavioral response enhancement after periodontal surgery (human)
P01DE-06946-02 0008 Pathophysiology of MPD and other facial pain syndromes - TMJ symptoms in pre- and post-orthognathic surgery patients

SURGICAL WOUNDS
SEE INJURIES, SURGICAL WOUNDS

SURVEYS, DENTAL (HEALTH)
SEE POPULATION SURVEYS, HEALTH SURVEYS, DENTAL

SURVEYS, HEALTH
SEE POPULATION SURVEYS, HEALTH SURVEYS

SURVEYS, POPULATION
SEE POPULATION SURVEYS

SUSPENSIONS (DOSAGE FORM)
SEE DOSAGE FORMS

SUSTAINED RELEASE PREPAPATIONS
SEE DOSAGE FORMS

SUTURES
SEE SKELETAL SYSTEM, SKULL, CRANIAL SUTURES

SWALLOWING
SEE GASTROINTESTINAL FUNCTION, DEGLUTITION

SWEETENING AGENTS
SEE FOOD, SWEETENING AGENTS

SYMPATHETIC GANGLIA
SEE NERVOUS SYSTEM AUTONOMIC, SYMPATHETIC GANGLIA

SYMPATHETIC NERVOUS SYSTEM
SEE NERVOUS SYSTEM AUTONOMIC, SYMPATHETIC NERVOUS SYSTEM

SYMPATHOMIMETIC AGENTS
SEE NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC

SYMPOSIA
SEE INFORMATION DISSEMINATION, MEETINGS CONFERENCES SYMPOSIA

SYNAPSES
SEE NERVOUS SYSTEM, NERVE ENDINGS, SYNAPSES

SYNAPTIC PLASTICITY
SEE NEUROPHYSIOLOGY, NEUROPLASTICITY

SYNAPTIC RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS

SYNCHRONOUS CELL DIVISION
SEE CELL DIVISION, SYNCHRONOUS CELL DIVISION

SYNERGISM
SEE DRUGS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
SEE PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL)

SYNOSTOSES, CRANIAL
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CRANIOSYNOSTOSES

SYNTHESIS (ORGANIC)
SEE CHEMICAL SYNTHESIS, DESIGN AND PRODUCTION (GENERAL)

SYNTHESIS OF DRUGS
SEE DRUGS SYNTHESIS, DESIGN AND PRODUCTION

SYNTHESIS OF NATURAL PRODUCTS THROUGH GENETIC MANIPULATION
SEE BIOLOGICAL PREPARATIONS AND STANDARDIZATION, NATURAL PRODUCTS PRODUCTION BY GENETIC MANIPULATION

SYNTHETIC PEPTIDES
SEE PEPTIDES, SYNTHETIC PEPTIDES

SYSTEMATIC BIOLOGY
SEE BIOLOGY, SYSTEMATIC

T-CELL GROWTH FACTOR (TCGF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, INTERLEUKIN 2

T-CELL INDUCED LYSIS
SEE IMMUNITY, CELLULAR, CELL-MEDIATED IMMUNE RESPONSES

T4 LYMPHOCYTE
SEE BLOOD CELLS, T LYMPHOCYTES, HELPER

T8 LYMPHOCYTE
SEE BLOOD CELLS, T LYMPHOCYTES, SUPPRESSOR

T LYMPHOCYTES
SEE BLOOD CELLS, T LYMPHOCYTES

TABLETS
SEE DOSAGE FORMS

TACHYKININS
SEE PEPTIDES, SUBSTANCE P

TACTILE PERCEPTION
SEE SENSORY-PERCEPTUAL PROCESSES, TOUCH

TASTE
SEE SENSORY-PERCEPTUAL PROCESSES, TASTE

TASTE THRESHOLD
SEE SENSORY-PERCEPTUAL PROCESSES, TASTE THRESHOLD

TAXONOMY
SEE BIOLOGY, SYSTEMATIC

TCGF (LYMPHOKINES)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, INTERLEUKIN 2

TEETH
SEE DENTAL STRUCTURE, TOOTH

TEFLON
SEE PLASTICS, FLUOROCARBON POLYMERS

TEICHOIC ACID
SEE POLYSACCHARIDES, TEICHOIC ACID

TELEMETERING
SEE BIOMEDICAL SYSTEMS AUTOMATED, TELEMETERING AND REMOTE SENSING

TEMPERAMENT
SEE PSYCHOLOGY, PERSONALITY

TEMPERATURE (SEE ALSO THERM...)
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, THERMORECEPTION
R01DE-05519-06 Oxidation behavior of Ni-base crown and bridge alloys
R01DE-06869-03 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
R43DE-07034-01 Titanium alloys for partial dentures - Phase I
R23DE-07190-01 Craniofacial ossification during anuran metamorphosis

TEMPERATURE, CRYOSCIENCES, LOW TEMPERATURE PRESERVATION AND STORAGE
R43DE-07266-01 Mytilus edulis polyphenolic protein--Adhesive system development

TEMPERATURE, HEAT
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, THERMORECEPTION
P01DE-06946-02 0013 Pathophysiology of MPD and other facial pain syndromes - Psychophysiologic response of MPD patients to pain

TEMPERATURE, HEAT, CALORIC STIMULATION
** P50DE-02668-19 0204 Regional dental research center - Psychophysical measures of combined tactile and thermal sensitivity (human)

TEMPERATURE, HEAT STABILITY-LABILITY
R01DE-06374-04 Semi- and nonprecious metal-procelain systems

TEMPERATURE (BODY), FEVER
R44DE-06932-02 A periodontal temperature probe (human)

TEMPERATURE MEASUREMENT*
** R44DE-06932-02 A periodontal temperature probe (human)

TEMPERATURE SENSE
SEE SENSORY-PERCEPTUAL PROCESSES, THERMORECEPTION

TEMPOROMANDIBULAR JOINT
SEE ORAL-PHARYNGEAL, JAW, TEMPOROMANDIBULAR JOINT

TENDONS
SEE SKELETAL SYSTEM, TENDONS

TENSILE STRENGTH
SEE PHYSICAL PROPERTIES, TENSILE STRENGTH

TENSOR TYMPANI
SEE MUSCLES, EAR MUSCLES, TENSOR TYMPANI

TEORELL MEMBRANE OSCILLATOR
SEE BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT

TERATOGENIC AGENTS
SEE CONGENITAL ABNORMALITIES, TERATOGENIC AGENTS

TERPENES, CAROTENE
SEE ALSO VITAMINS, VITAMIN A, ALL-TRANS RETINOL

(contd).

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**Oriented significantly to above subject.

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** R01DE-06893-02 Effects of beta-carotene on salivary gland tumors (rats)

TESTING OF BIOMATERIALS
SEE BIOMATERIALS, BIOMATERIALS EVALUATION

TESTING OF INSTRUMENTATION, CLINICALLY ORIENTED
SEE BIOMEDICAL ENGINEERING, INSTRUMENTATION CLINICALLY ORIENTED

TESTIS NEOPLASMS
SEE NEOPLASMS OF REPRODUCTIVE SYSTEM MALE, TESTIS NEOPLASMS

TESTOSTERONE
SEE ANDROSTANE SERIES, TESTOSTERONE

TESTS
SEE GENETICS, MUTAGENS, MUTAGEN TESTS
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOLOGICAL TESTS*
SEE PSYCHOLOGICAL TESTS (GENERAL)*

TETRACYCLINE
SEE ANTIBIOTICS, TETRACYCLINE

THALAMIC RADIATIONS
SEE BRAIN, THALAMOCORTICAL TRACTS

THALAMOCORTICAL TRACTS
SEE BRAIN, THALAMOCORTICAL TRACTS

THALAMUS
SEE BRAIN, THALAMUS

THERAPEUTIC DIET
SEE NUTRITION, DIET THERAPEUTIC

THERAPEUTIC EQUIVALENCE OF DRUGS
SEE DRUGS, PHARMACOLOGY, BIOAVAILABILITY

THERAPY, LAVAGE
N01DE-12433-05 Phase contrast evaluation of subgingival plaque

THERAPY, PLACEBO EFFECT
R01DE-05369-07 Factors affecting dental postoperative pain (human)
R01DE-07514-01 TMJS/TMPDS--Evaluating structural and functional models (human)

THERAPY, RELAXATION
SEE PSYCHIC ACTIVITY LEVEL, RELAXATION

THERAPY COMPLIANCE
SEE ALSO HEALTH, SELF CARE
R01DE-06521-02 Behavioral response enhancement after periodontal surgery (human)
** R01DE-06656-03 Promoting adherence to a dental regimen
R43DE-06778-01 Videodisc and computer technology in malocclusion
** R01DE-0C895-02 Implementing preventive dental programs in schools
P01DE-06946-02 0005 Pathophysiology of MPD and other facial pain syndromes - Diazepam, chlorazepate, carisprodol in MPD syndrome chemotherapy (human)

THERAPY EVALUATION
P01DE-01697-23 0039 A research program in craniofacial problems - Otitis media and its consequences (human)
** P50DE-02600-19 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
** P50DE-02731-19 0033 Development support for dental research institute - Epidemiology laboratory (human)
M P01DE-03568-11 Craniofacial anomalies--Etiology and treatment
** R01DE-03598-10 Dentofacial effects of forces to retract the maxilla (human)
R01DE-04358-09 Treatment of temporomandibular joint pain
R01DE-04494-08 Control of stress during dental procedures (human)
P50DE-04881-09 0001 Clinical research in periodontal disease - Diagnosis and treatment of destructive periodontal diseases (human)
P50DE-04881-09 0002 Clinical research in periodontal disease - Relationship of subgingival microbiota to the etiology of periodontal diseases
** P50DE-04898-09 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human)
R01DE-05067-07 Interaction of topical fluoride with human enamel (rats, hamsters)
** R01DE-05410-06 Orthodontic treatment effects on craniofacial growth (human)
P01DE-05837-05 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
** R01DE-06103-03 Evaluation of four modalities of periodontal therapy
R01DE-06105-03 Using fluoride-chlorhexidine to prevent radiation caries (human)
** R01DE-06112-05 Filled sealant as a conservative restorative material (human)
R01DE-06514-04 Oral diseases and diabetes in the Gila River Indian Community
** R23DE-06562-02 Fluoridation effects on dental demand (human)
** P01DE-06946-02 0001 Pathophysiology of MPD and other facial pain syndromes - Long-term effects of therapy of TMJ in private practice
** P01DE-06946-02 0002 Pathophysiology of MPD and other facial pain syndromes - Transcutaneous electrical nerve stimulation--Treatment of MPD syndrome (human)
** P01DE-06946-02 0003 Pathophysiology of MPD and other facial pain syndromes - Physical therapy for MDP syndrome
** P01DE-06946-02 0005 Pathophysiology of MPD and other facial pain syndromes - Diazepam, chlorazepate, carisprodol in MPD syndrome chemotherapy (human)
** P01DE-06946-02 0008 Pathophysiology of MPD and other facial pain syndromes - TMJ symptons in pre- and post-orthognathic surgery patients
** P01DE-06946-02 0014 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)
** R01DE-06957-02 Nasal airway and respiratory mode in cleft palate (human)
** R03DE-07012-02 Therapeutic regimens for dental surgery
R01DE-07030-01 Epidemiology, prevention and treatment of root caries (humans)
P50DE-07117-01 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology
N01DE-32441-06 Effect of prenatal fluoride in preventing dental caries (human)
** N01DE-52556-00 Effect of brushing with fluoride gel on gingivitis
N01DE-52557-00 Clinical trial of an adhesive material

THERMODYNAMICS (CHEMISTRY)
SEE CHEMISTRY, THERMODYNAMICS (GENERAL)

THERMOLABILE PLASTICITY, NEURONAL
SEE NEUROPHYSIOLOGY, NEUROPLASTICITY

THERMOMETRY
SEE TEMPERATURE MEASUREMENT*

THERMORECEPTION
SEE SENSORY-PERCEPTUAL PROCESSES, THERMORECEPTION

THERMOSTABILITY-LABILITY
SEE TEMPERATURE, HEAT STABILITY-LABILITY

THIAMIN
SEE VITAMINS, THIAMIN

THIOCYANATES
R01DE-04235-09 Peroxidase in saliva and prevention of oral disease (human, S mutants)

THRESHOLDS, SENSORY
SEE SENSORY THRESHOLDS

THROAT
SEE ORAL-PHARYNGEAL, PHARYNX

THROMBASE
SEE BLOOD COAGULATION, THROMBIN

THROMBIN
SEE BLOOD COAGULATION, THROMBIN

THROMBOCYTES
SEE BLOOD PLATELETS

THROMBOCYTOPATHY
SEE BLOOD PLATELETS DISORDERS, THROMBOCYTOPATHY

THROMBOMODULIN
SEE PROTEINS, MEMBRANE PROTEINS

THROMBOPATHY CONSTITUTIONAL
SEE BLOOD PLATELETS DISORDERS, THROMBOCYTOPATHY

THROMBOSIS
SEE CARDIOVASCULAR DISORDERS, THROMBOSIS

THROMBOXANES
SEE FATTY ACIDS, EICOSANOIDS, THROMBOXANES

THROMBOXANES METABOLISM
SEE FATTY ACIDS METABOLISM, EICOSANOIDS METABOLISM

THY-1.1 ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

THYMIDINE
SEE PYRIMIDINE NUCLEOSIDES, THYMINE NUCLEOSIDES, THYMIDINE

THYMOCYTE STIMULATING FACTOR
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, INTERLEUKIN 2

THYMUS
SEE BLOOD AND RE SYSTEM, THYMUS

THYMUS DEPENDENT IMMUNE SYSTEM
SEE IMMUNITY, CELLULAR IMMUNITY (GENERAL)

THYROCALCITONIN
SEE THYROID HORMONES, (THYRO)CALCITONIN

THYROID HORMONES
P50DE-02668-19 0213 Regional dental research center - Action of androgen on submaxillary gland function
R23DE-07190-01 Craniofacial ossification during anuran metamorphosis

THYROID HORMONES, (THYRO)CALCITONIN
P50DE-02668-19 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
P50DE-02668-19 0215 Regional dental research center - Osteopenia--Factors influencing development and recovery (rats)
R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)
R03DE-07121-01 Acid production in craniofacial osteoclasts (mice)
** R03DE-07165-01 Calcitonin receptor (mice)

THYROTROPIN-RELEASE INHIBITING FACTOR
SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN

TI
SEE METALS, HEAVY METALS, TITANIUM (COMPOUNDS)

TIBIA
SEE SKELETAL SYSTEM, LIMB BONES, TIBIA

TIC DOLOREAUX
SEE NERVOUS DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA

TIN (COMPOUNDS)
SEE METALS, HEAVY METALS, TIN (COMPOUNDS)

TISSUE (GENERAL)
SEE ALSO CONNECTIVE TISSUE (GENERAL)
SEE ALSO EMBRYOLOGY, EMBRYO-FETAL CELLS AND TISSUES
SEE ALSO HISTOLOGY (GENERAL)*
** R01DE-07347-01 Magnetic resonance characteristics of TMJ tissues (humans)

TISSUE, EPITHELIUM
SEE ALSO CARDIOVASCULAR SYSTEM, ENDOTHELIUM
SEE ALSO MEMBRANE
SEE ALSO ORAL-PHARYNGEAL, MUCOSA
** P50DE-02600-19 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
** P50DE-02731-19 0032 Development support for dental research institute - Experimental cytology laboratory (rats)
** P01DE-02848-15 0007 Biology of connective tissue, bones, and teeth - Extracellular matrix and epithelial gene expression (animals)
P01DE-02848-15 0010 Biology of connective tissue, bones, and teeth - Enamel gene expression during vertebrate tooth development (animals)
R01DE-04859-06 Tissue interactions in the cranio-facial region (mice, chick embryos)
R01DE-04970-07 Nuclear composition and organization for odontogenesis (rats)
R01DE-05586-05 Cell surface studies of the enamel organ (mice)
R01DE-06076-03 Pathobiology of oral mucosa (rabbits)
R01DE-06395-03 Molecular basis of the ecology of oral streptococci
** R01DE-06556-03 Oral epithelium structural proteins (rabbits)
** R01DE-06977-02 Oral mucosa in vitro (mice, rats, guinea pigs)
R01DE-06988-01 Determination and expression of amelogenin gene products (mice)
R03DE-07014-01 Human PDL cell attachment to root surfaces
R23DE-07075-01 Tissue interactions in root development (mice)
** R03DE-07145-01 Oxygen free radicals in palatal development (mice)
R03DE-07148-01 Effect of epidermal growth factor on tooth development (mice)
** R01DE-07218-01 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)
R03DE-07278-01 Laminin and immune intervention in periodontal disease
R03DE-07406-01 Effect of ingested ethyl alcohol on oral epithelium (rat)

TISSUE, EXOCRINE GLANDS (GENERAL)
SEE ALSO ORAL-PHARYNGEAL, SALIVARY GLANDS
SEE ALSO PANCREAS
SEE ALSO REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS
SEE ALSO REPRODUCTIVE SYSTEM MALE, PROSTATE
P50DE-02670-19 0018 Institute of dental research - Immune response to Streptococcus mutans
R01DE-03666-09 X-ray therapeutic index for salivary glands (rodents, human)
** R01DE-05251-06 Salivary gland secretory mechanism (rats)
R01DE-06511-03 Parotid secretion--Selective cAMP-PK isozyme activation (rabbits, rats)
R01DE-06904-02 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
** R01DE-07341-01 Second messenger function in exocrine glands (rats)
R23DE-07389-01 VIP receptors and submandibular gland function (rats)

TISSUE AND CELL PREPARATION
** R01DE-07347-01 Magnetic resonance characteristics of TMJ tissues (humans)

TISSUE-BIOMATERIAL SURFACE INTERACTIONS
SEE BIOMATERIALS, INTERFACIAL PHENOMENA

TISSUE (CELL) CULTURE*
SEE ALSO PREGNANCY, EMBRYO-FETUS CULTURE
R01DE-01374-25 Matrix component interactions in bone and dentin (rabbits, rats, mice)

(contd).

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PSODE-02623-18 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
PSODE-02670-19 0003 Institute of dental research - Macromolecules of mineralized tissues
** PSODE-02731-19 0032 Development support for dental research institute - Experimental cytology laboratory (rats)
R01DE-02774-17 Tissue interaction in palatal shelf closure (mice)
R01DE-05640-05 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
** R23DE-06091-03 Primary human cells--A model for materials testing (tissue culture)
** R01DE-06977-02 Oral mucosa in vitro (mice, rats, guinea pigs)
R01DE-07244-01 Molecular mechanisms of bacterial adherence to cementum (human, cattle)

TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES
SEE ALSO TISSUE (CELL) CULTURE, EMBRYONIC-FETAL CELL LINES
R03DE-07001-01 Exogenous arachidonic acid metabolism by oral squamous carcinoma cells (human)
R01DE-07378-01 Human osteoclast-activating factor (mice, rats)

TISSUE (CELL) CULTURE, CLONE CELLS*
SEE ALSO GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING
SEE ALSO IMMUNOLOGICAL PREPARATIONS, MONOCLONAL ANTIBODIES
** R01DE-03258-14 Cloning of streptococcus mutans genes (human, rabbits)
R01DE-05395-06 Stem cells in oral mucosa (mice)

TISSUE (CELL) CULTURE, EMBRYONIC-FETAL CELL LINES
SEE ALSO PREGNANCY, EMBRYO-FETUS CULTURE
R01DE-04622-09 Craniofacial anomalies and protein receptors (mice, rats)

TISSUE (CELL) CULTURE, ORGAN CULTURE
PSODE-02670-19 0003 Institute of dental research - Macromolecules of mineralized tissues

TISSUE COMPATIBILITY
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY

TISSUE COMPATIBILITY-TRANSPLANT, IMPLANT
SEE ALSO PROSTHESIS
R01DE-05334-05 Periodontal therapy by controlled local drug delivery (human)

TISSUE COMPATIBILITY-TRANSPLANT, IMPLANT COMPATIBILITY
R01DE-06179-03 Radiopaque resinative and prosthetic dental resins

TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)
SEE ALSO IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)
R01DE-06740-02 Human antibody responsiveness and dental caries

TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS), ANTIGENS OF DIABETES
R01DE-06514-04 Oral diseases and diabetes in the Gila River Indian Community

TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY
** R01DE-06634-02 Cyclosporine in craniofacial composite tissue allografts (human, mammals)

TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION
SEE ALSO BIOMATERIALS IMPLANTS AND COMPATIBILITY
SEE ALSO EAR (TISSUE) TRANSPLANTATION
SEE ALSO KIDNEY TRANSPLANTATION
SEE ALSO MUSCLE TRANSPLANTATION
SEE ALSO SKELETAL TISSUE TRANSPLANTATION
SEE ALSO SKIN TRANSPLANTATION
R01DE-04859-06 Tissue interactions in the cranio-facial region (mice, chick embryos)

TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION AUTOLOGOUS
** P01DE-07687-04 0003 Regeneration and transplantation of skeletal muscle - Reinnervation of skeletal muscle autografts (rats)
** P01DE-07687-04 0004 Regeneration and transplantation of skeletal muscle - Revascularization of skeletal muscle autografts (hamster, cat, dog, rats)
** P01DE-07687-04 0005 Regeneration and transplantation of skeletal muscle - Electromyographic monitoring of autograft progress (cat, rat)
** P01DE-07687-04 0006 Regeneration and transplantation of skeletal muscle - Adaptation of autografts to physical conditioning (rat)

TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HOMOLOGOUS
** R01DE-06634-02 Cyclosporine in craniofacial composite tissue allografts (human, mammals)

TISSUE CULTURE
SEE TISSUE (CELL) CULTURE*

TISSUE MOSAICISM
R01DE-05616-07 Matrix-cell interaction in craniofacial development (chick and quail embryos)

TISSUE PLASMINOGEN ACTIVATOR
SEE BLOOD COAGULATION, PLASMINOGEN ACTIVATORS

TITANIUM (COMPOUNDS)
SEE METALS, HEAVY METALS, TITANIUM (COMPOUNDS)

TL ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

TNS STIMULATION (ELECTROANALGESIA)
SEE SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA

TOBACCO SMOKING
SEE PSYCHOLOGY, HABITS, SMOKING

TOCOLS
SEE VITAMINS, VITAMIN E, TOCOLS

ALPHA-TOCOPHEROL (ACETATE)
SEE VITAMINS, VITAMIN E, TOCOLS

DL-ALPHA-TOCOPHEROL
SEE VITAMINS, VITAMIN E, TOCOLS

ALL-RAC-ALPHA TOCOPHEROL
SEE VITAMINS, VITAMIN E, TOCOLS

BETA-TOCOPHEROL
SEE VITAMINS, VITAMIN E, TOCOLS

DELTA-TOCOPHEROL
SEE VITAMINS, VITAMIN E, TOCOLS

GAMMA-TOCOPHEROL
SEE VITAMINS, VITAMIN E, TOCOLS

TOCOPHEROLS
SEE VITAMINS, VITAMIN E, TOCOLS

TOLERANCE
SEE CARBOHYDRATE BALANCE, GLUCOSE TOLERANCE
SEE SENSORY-PERCEPTUAL PROCESSES, PAIN TOLERANCE

TOMOGRAPHY
SEE RADIOGRAPHY, TOMOGRAPHY*

TONGUE
SEE ORAL-PHARYNGEAL, TONGUE

TONGUE DISORDERS
SEE ORAL-PHARYNGEAL DISORDERS, TONGUE DISORDERS

TONGUE NEOPLASMS
SEE NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES, TONGUE NEOPLASMS

TONSILLECTOMY
SEE SURGERY, OTOLARYNGOLOGIC, TONSILLECTOMY

TOOTH
SEE DENTAL STRUCTURE, TOOTH

TOOTH, ARTIFICIAL, ENDOSSEOUS IMPLANT
SEE DENTAL PROSTHESIS, DENTAL IMPLANT ENDOSSEOUS

TOOTH BRUSHING
SEE DENTISTRY, PREVENTIVE, TOOTH BRUSHING

TOOTH DISCOLORATION
SEE DENTAL DISCOLORATION

TOOTH DYSPLASIA, CONGENITAL
SEE CONGENITAL ABNORMALITIES, DENTITION

TOOTH ERUPTION
SEE DENTAL DEVELOPMENT

TOOTH FORMATION
SEE DENTAL DEVELOPMENT, DENTINOGENESIS

TOOTH GERM
SEE DENTAL STRUCTURE, TOOTH GERM

TOOTH LOSS
SEE DENTAL DISORDERS, TOOTH LOSS

TOOTH MOBILITY
SEE DENTAL STRUCTURE, TOOTH MOBILITY

TOOTH RESORPTION
SEE DENTAL DISORDERS, TOOTH RESORPTION

TOOTH ROOT
SEE DENTAL STRUCTURE, TOOTH ROOT

TOOTH WEAR
SEE DENTAL STRUCTURE, TOOTH WEAR

TOOTHACHE
SEE DENTAL PAIN

TOUCH
SEE SENSORY-PERCEPTUAL PROCESSES, TOUCH

TOXEMIA, MICROBIAL TOXINS
SEE BLOOD TOXICOLOGY, BACTEREMIA-SEPTICEMIA

TOXIC MECHANISMS AND REACTIONS IN HYPERSENSITIVITY
SEE HYPERSENSITIVITY, TOXIC REACTIONS AND MECHANISMS IN HYPERSENSITIVITY

TOXIC REACTIONS AND MECHANISMS IN IMMUNOLOGY
SEE IMMUNOLOGY, TOXIC REACTIONS AND MECHANISMS IN IMMUNOLOGY

TOXICANTS INTERACTION
SEE PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL), TOXICANTS INTERACTION

TOXICOLOGY, BACTERIAL
SEE ALSO BLOOD TOXICOLOGY, BACTEREMIA-SEPTICEMIA
SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL, BACTERIAL TOXINS (GENERAL)
R01DE-05696-05 Streptococcus mutans interaction with animal tissue (human, rabbits)

TOXICOLOGY, CYTOTOXICITY
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, AGGLUTINATION REACTION (AGGLUTININ)*
SEE ALSO IMMUNOLOGY, ANTIBODIES, AGGLUTININS
R01DE-04096-07 Biocompatibility of endodontic materials (guinea pigs, rats, monkeys)
R01DE-05640-05 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R23DE-06091-03 Primary human cells--A model for materials testing (tissue culture)
R43DE-07261-01 Dimethylsuberimidate as a pulpotomy agent (rats)
R01DE-07688-01 Human T cell responses to herpes simplex virus antigens (human, mice)

TOXICOLOGY, EMBRYO-FETUS
SEE PREGNANCY, EMBRYO-FETUS TOXICOLOGY

TOXICOLOGY, MYCOTOXINS
R23DE-07107-02 Cyclic nucleotides and prostaglandins in cleft palate (mice)

TOXICOLOGY OF BACTERIA AND THEIR PRODUCTS
SEE TOXICOLOGY, BACTERIAL

TOXINS BACTERIAL
SEE IMMUNOLOGY, ANTIGENS BACTERIAL, BACTERIAL TOXINS (GENERAL)

TOXINS MYCOTOXINS
SEE TOXICOLOGY, MYCOTOXINS

TPN (H)
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NADP(H2)

TRACE ELEMENTS
SEE CHEMICALS (GENERAL), ELEMENTS, TRACE ELEMENTS

TRACE ELEMENTS AND MINERALS, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY TRACE ELEMENTS AND MINERALS

TRAINING, RELAXATION
SEE PSYCHIC ACTIVITY LEVEL, RELAXATION

TRAINING LEVEL
SEE EDUCATION, TRAINING LEVEL

TRANQUILIZERS
SEE PSYCHOPHARMACOLOGICAL AGENTS, TRANQUILIZERS

TRANSAMIDASES (AMINOACYLTRANSFERASE)
SEE AMINOACYLTRANSFERASES

TRANSCRIPTION
SEE GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSCRIPTION

TRANSCUTANEOUS STIMULATION (ELECTROANALGESIA)
SEE SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA

TRANSDERMAL DRUG DELIVERY
SEE DRUGS, DRUG DELIVERY SYSTEMS

TRANSDUCING VIRUSES
SEE VIRUS CHARACTERISTICS, TRANSFORMING VIRUSES

TRANSEPITHELIAL SHUNT
SEE BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT

TRANSFERASES
SEE ALSO GLYCOSYLTRANSFERASES
SEE ALSO PHOSPHOTRANSFERASES
R01DE-04321-11 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-06669-03 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
R01DE-06673-03 Genetic and biochemical bases for S mutans virulence (rabbits)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

TRANSFORMATION
SEE GENETICS, SOMATIC CELL AND TRANSFORMATION
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

TRANSFORMATION MICROBIAL
SEE GENETICS, MICROBIAL, TRANSFORMATION MICROBIAL

TRANSFORMATION NEOPLASTIC
SEE NEOPLASTIC TRANSFORMATION

TRANSFORMING VIRUSES
SEE VIRUS CHARACTERISTICS, TRANSFORMING VIRUSES

TRANSGLUTAMINASES
SEE AMINOACYLTRANSFERASES, TRANSGLUTAMINASES

TRANSGLYCOSIDASES
SEE GLYCOSYLTRANSFERASES

TRANSLATION
SEE GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSLATION

TRANSMETHYLATION
SEE ALKYL TRANSFER, TRANSMETHYLATION

TRANSPEPTIDASE (AMINOACYLTRANSFERASE)
SEE AMINOACYLTRANSFERASES

TRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION

TRANSPLANTATION ANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

TRANSPLANTATION AUTOLOGOUS
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION AUTOLOGOUS

TRANSPLANTATION HOMOLOGOUS
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HOMOLOGOUS

TRANSPLANTATION IMMUNOLOGY
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY

TRANSPORT
SEE BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT
SEE BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT
SEE KIDNEY FUNCTION, RENAL TUBULAR TRANSPORT

TRANSPORT EFFECTORS
SEE BIOLOGICAL TRANSPORT, TRANSPORT EFFECTORS

TRANSPORT ENERGETICS
SEE BIOLOGICAL TRANSPORT, TRANSPORT ENERGETICS

TRANSPORT FACILITATORS (STIMULANTS)
SEE BIOLOGICAL TRANSPORT, TRANSPORT EFFECTORS

TRANSPORT INHIBITORS
SEE BIOLOGICAL TRANSPORT, TRANSPORT EFFECTORS

TRANSPORT PROTEINS
SEE BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS (SEE ALSO SPECIFICS)

TRAPPING INHIBITION FACTORS (TIF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES

TRAUMA
SEE INJURIES, TRAUMA

TRAVEL
R13DE-07172-01 Biocompatibility, toxicity, hypersensitivity in dentistry

ALPHA,ALPHA-TREHALOSE-PHOSPHATE SYNTHASE (ADP FORMING)
SEE GLYCOSYLTRANSFERASES, UDP GLUCOSE:D-GLUCOSE-6-PHOSPHATE 1-GLUCOSYLTRANSFERASE

TREMOR
SEE NEUROMOTOR DISORDERS, TREMOR

TREPONEMA
SEE BACTERIA, SPIROCHETES, TREPONEMA*

TRETINOIN
SEE VITAMINS, VITAMIN A ANALOGS

TRICARBOXYLIC ACID CYCLE
SEE TRICARBOXYLIC ACIDS, KREBS CYCLE

TRICARBOXYLIC ACIDS, CITRATES
R03DE-07410-01 Effect of fluoride nucleation on glass-ceramic formation

TRICARBOXYLIC ACIDS, KREBS CYCLE
R01DE-04387-09 Effect of fluoride on cAMP and glucose metabolism (rats)

TRIGEMINAL NERVE
SEE NERVOUS SYSTEM, CRANIAL NERVES, TRIGEMINAL NERVE (5)

TRIGEMINAL NEURALGIA
SEE NERVOUS DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA

TRIGEMINAL NUCLEUS (SPINAL)
SEE BRAIN, PONS, TRIGEMINAL NUCLEUS (SPINAL)

TRIOSE ACIDS, GLYCERIC ACID PHOSPHATES
SEE ALSO DEHYDRATASES, D-2-PHOSPHOGLYCERATE HYDROLYASE
R01DE-06644-03 Physiology of oral bacteria--Sugar, PH and F relations

TRIOSE ALCOHOLS, GLYCEROPHOSPHATES
R01DE-06748-02 Synthesis and function of polymers in oral bacteria (rats)
R03DE-06940-01 Comparisons of microvessels and osteoblasts in vitro

TRIPHOSPHOPYRIDINE NUCLEOTIDE (REDUCED)
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NADP(H2)

TROPANES, ATROPINE
R23DE-07389-01 VIP receptors and submandibular gland function (rats)

TRYPSIN
SEE PROTEASES AND PEPTIDASES, TRYPSIN

TRYPTOPHAN
SEE CYCLIC AMINO ACIDS, TRYPTOPHAN

TSF (LYMPHOKINES)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, INTERLEUKIN 2

TUMOR CELLS
SEE NEOPLASTIC CELLS

TUMOR PROMOTERS
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENS, TUMOR PROMOTERS

TUNICA MEDIA
SEE CARDIOVASCULAR SYSTEM, BLOOD VESSELS, VASCULAR SMOOTH MUSCLE

TYMPANOPLASTY
SEE EAR SURGERY, TYMPANOPLASTY

TYPE C ONCOVIRUS
SEE VIRUSES, RETROVIRIDAE, LEUKOSIS-SARCOMA AVIAN, LEUKOSIS VIRUSES AVIAN

TYPE I AP ENDONUCLEASE
SEE NUCLEASES, REPAIR NUCLEASES

TYPE I DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, INSULIN-DEPENDENT DIABETES

TYPE II AP ENDONUCLEASE
SEE NUCLEASES, REPAIR NUCLEASES

TYPE II DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, NONINSULIN-DEPENDENT DIABETES

TYPING
SEE CELL TYPES

TYPING, MICROBIAL (GENERAL)
SEE MICROBIAL IDENTIFICATION AND CLASSIFICATION (TECHNIQUES)

TYPING TAXONOMICAL
SEE BIOLOGY, SYSTEMATIC

TYPING TAXONOMICAL, MICROBIAL (GENERAL)
SEE MICROBIAL IDENTIFICATION AND CLASSIFICATION (TECHNIQUES)

TYROSINE
SEE CYCLIC AMINO ACIDS, TYROSINE

UDDER
SEE REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS

UDP GLUCOSE:D-GLUCOSE-6-PHOSPHATE 1-GLUCOSYLTRANSFERASE
SEE GLYCOSYLTRANSFERASES, UDP GLUCOSE:D-GLUCOSE-6-PHOSPHATE 1-GLUCOSYLTRANSFERASE

UDP GLUCURONOSYLTRANSFERASE
SEE GLYCOSYLTRANSFERASES, GLUCURONOSYLTRANSFERASES

ULCER
SEE ORAL-PHARYNGEAL DISORDERS, STOMATITIS, APHTHOUS

ULTRASONIC SCANNING
SEE PHYSICAL PROPERTIES, SOUND, ULTRASONIC SCANNING*

ULTRASONOGRAPHY
SEE PHYSICAL PROPERTIES, SOUND, ULTRASOUND, DIAGNOSTIC

ULTRASOUND, DIAGNOSTIC
SEE PHYSICAL PROPERTIES, SOUND, ULTRASOUND, DIAGNOSTIC

ULTRASOUND SCANNING
SEE PHYSICAL PROPERTIES, SOUND, ULTRASONIC SCANNING*

ULTRAVIOLET RAYS
SEE RADIATION, ELECTROMAGNETIC WAVES, ULTRAVIOLET RAYS (290NM TO 380NM)

UNITED STATES
SEE GEOGRAPHICAL SITES, UNITED STATES

UNIVERSITIES
SEE EDUCATION, UNIVERSITIES

UNSATURATED FATS
SEE LIPIDS, FATS, UNSATURATED FATS

UNSATURATED FATTY ACIDS
SEE FATTY ACIDS, UNSATURATED

URACIL ANALOGS
SEE PYRIMIDINES ANALOGS, URACIL ANALOGS

URBAN AREAS
SEE SOCIOENVIRONMENT, URBAN AREAS

URBAN PLANNINGS AND GREEN AREAS
SEE SOCIOENVIRONMENT, URBAN AREAS

UREA
SEE AMIDES, UREA

UREMIA
SEE KIDNEY DISORDERS, UREMIA

URETHANE POLYMERS
SEE PLASTICS, POLYURETHANES

URIDINE DIPHOSPHATE GLUCOSE: D-GLUCOSE-6-PHOSPHATE 1 GLUCOSYLTRANSFERASE
SEE GLYCOSYLTRANSFERASES, UDP GLUCOSE:D-GLUCOSE-6-PHOSPHATE 1-GLUCOSYLTRANSFERASE

URIDINE DIPHOSPHATE GLUCURONOSYLTRANSFERASE
SEE GLYCOSYLTRANSFERASES, GLUCURONOSYLTRANSFERASES

URINALYSIS (CHEMICAL ANALYSIS)
SEE CHEMISTRY, CLINICAL, URINE CHEMICAL ANALYSIS

URINARY CALCULI
SEE URINARY TRACT DISORDERS, URINARY CALCULI

URINARY TRACT DISORDERS, URINARY CALCULI
SEE ALSO CALCULI DISSOLVING AGENTS
SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA
R13DE-07080-01 Gordon research conference on calcium phosphates, 1985
R01DE-07223-01 Magnesium and calcium phosphate formation and stability (humans, fish)

URINE CHEMICAL ANALYSIS
SEE CHEMISTRY, CLINICAL, URINE CHEMICAL ANALYSIS

UROLITHIASIS
SEE URINARY TRACT DISORDERS, URINARY CALCULI

UTERUS
SEE REPRODUCTIVE SYSTEM FEMALE, UTERUS

UTILIZATION OF HEALTH SERVICES-RESOURCES
SEE HEALTH CARE (SERVICES)(RESOURCES) UTILIZATION

UTILIZATION REVIEW
SEE HEALTH CARE QUALITY

V
SEE METALS, HEAVY METALS VANADIUM (COMPOUNDS)

V GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

VACCENIC ACID
SEE FATTY ACIDS

VACCINATION
SEE ALSO IMMUNITY (AND NATURAL RESISTANCE) (GENERAL)
SEE ALSO IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION, ACTIVE
P50DE-07003-02 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)

VACCINES, BACTERIAL, ANTI-CARIES VACCINE
P50DE-02670-19 0037 Institute of dental research - IgA responses to S mutans--Induction and regulation
** R01DE-05696-05 Streptococcus mutans interaction with animal tissue (human, rabbits)
R01DE-06153-04 Antibody to glucosyltransferase in adults and children
R01DE-06962-02 Surface protein antigens of cariogenic streptococci
P50DE-07003-02 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
P50DE-07117-01 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
** R03DE-07146-01 Biochemistry of Streptococcus mutans ribosomes (rabbits)
R23DE-07318-01 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
** N01DE-42551-01 Develop antigens and adjuvants for carries immunity

VACCINES, BACTERIAL, STREPTOCOCCAL VACCINES
R01DE-05606-05 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
R01DE-06669-03 Antigen delivery system design for host defense analysis (rodent, human, rabbit)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

VACCINES, VIRAL VACCINES (GENERAL)
R01DE-07007-02 Multiple factors in the etiology of oral cancer (mice)

VAGUS NERVE
SEE NERVOUS SYSTEM, CRANIAL NERVES, VAGUS NERVE (10)

VALINOMYCIN
SEE ANTIBIOTICS, VALINOMYCIN

VALIUM
SEE AZEPINES, BENZODIAZEPINES, DIAZEPAM

VALPROATE
SEE CARBOXYLIC ACIDS, 2-PROPYL VALERIC ACID

VALPROIC ACID
SEE CARBOXYLIC ACIDS, 2-PROPYL VALERIC ACID

VANADIUM (COMPOUNDS)
SEE METALS, HEAVY METALS VANADIUM (COMPOUNDS)

VARIABLE REGION (VL,VH) GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

VARICELLA
SEE VIRUS DISEASES, HERPESVIRIDAE, CHICKENPOX

VARICELLA-ZOSTER VIRUS
SEE VIRUSES, HERPESVIRIDAE, VARICELLA-ZOSTER VIRUS

VASCULAR BEDS
SEE CARDIOVASCULAR SYSTEM, CAPILLARY BEDS

VASCULAR PERMEABILITY
SEE CARDIOVASCULAR SYSTEM, ENDOTHELIUM PERMEABILITY

VASCULAR SMOOTH MUSCLE
SEE CARDIOVASCULAR SYSTEM, BLOOD VESSELS, VASCULAR SMOOTH MUSCLE

VASOACTIVE INTESTINAL POLYPEPTIDE
SEE PEPTIDES, VASOACTIVE PEPTIDES, VASOACTIVE INTESTINAL POLYPEPTIDE

VASODILATION (NORMAL)
SEE CARDIOVASCULAR FUNCTION, VASOMOTION, VASODILATION

VASOPRESSIN
SEE PITUITARY-DIENCEPHALON HORMONES, VASOPRESSIN

VEHICLES DRUG
SEE DRUGS VEHICLES

VEILLONELLA
SEE BACTERIA, NEISSERIACEAE, VEILLONELLA*

VENEREAL HERPES
SEE VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX, HERPES GENITALIS

VENTILATION, HEATING, AIR CONDITIONING
SEE ENVIRONMENT CONTROLLED

VERBAL BEHAVIOR
SEE INFORMATION-COMMUNICATION BEHAVIOR, VERBAL BEHAVIOR

VERTEBRATES
SEE ANIMALS, CHORDATES, VERTEBRATES*

VIBRIO
SEE BACTERIA, PSEUDOMONADALES, VIBRIO*

VIBRIONACEAE
SEE BACTERIA, PSEUDOMONADALES, SPIRILLACEAE*

VIDEOTAPES (GENERAL)
SEE INFORMATION DISSEMINATION, VIDEOTAPES (GENERAL)

VINYLBENZENE POLYMERS
SEE PLASTICS, STYRENE POLYMERS

VINYL CHLORIDE POLYMERS
SEE PLASTICS, POLYVINYLS

VINYL POLYMERS
SEE PLASTICS, POLYVINYLS

VIP
SEE PEPTIDES, VASOACTIVE PEPTIDES, VASOACTIVE INTESTINAL POLYPEPTIDE

VIRAL ANTIBODIES
SEE IMMUNOLOGY, ANTIBODIES VIRAL

VIRAL ANTIGENS
SEE IMMUNOLOGY, ANTIGENS VIRAL

VIRAL CARCINOGENESIS
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, VIRAL

VIRAL DNA
SEE NUCLEIC ACIDS, DNA VIRAL

VIRAL GENETICS
SEE GENETICS, MICROBIAL, VIRAL

VIRAL PROTEIN G
SEE PROTEINS, VIRAL (GENERAL)

VIRAL PROTEINS
SEE PROTEINS, VIRAL (GENERAL)

VIRAL TYPING AND IDENTIFICATION
SEE MICROBIAL IDENTIFICATION AND CLASSIFICATION, VIRAL TYPING AND IDENTIFICATION

VIRAL VACCINES
SEE VACCINES, VIRAL VACCINES (GENERAL)

VIRICIDES
SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIVIRAL

VIRIDANS GROUP OF STREPTOCOCCI
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS, VIRIDANS GROUP*

VIROLOGY (EXPERIMENTAL) STUDY SECTION
SEE EXPERIMENTAL VIROLOGY STUDY SECTION

VIROLOGY STUDY SECTION
** R01DE-06900-01 Immunology of oral herpes simplex viral infections (human)

VIRULENCE MICROORGANISMS
SEE MICROORGANISMS VIRULENCE

VIRUS ASSOCIATED CARCINOGENESIS
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, VIRAL

VIRUS CHARACTERISTICS, TRANSFORMING VIRUSES
SEE ALSO GENETICS, SOMATIC CELL AND TRANSFORMATION
SEE ALSO VIRUSES, BACTERIOPHAGE*
R01DE-05838-06 Morphogenetic role of glycosaminoglycans (chick embryo)

VIRUS DEVELOPMENT, REPLICATION
** R01DE-06866-02 Deoxyuridine metabolism in herpes labialis (rabbit, human)

VIRUS DISEASE CHARACTERISTICS, HOST-VIRUS
R23DE-07710-01 New targets for anti-herpes simplex virus chemotherapy (rabbits)

VIRUS DISEASE CHARACTERISTICS, INFECTION MECHANISMS (GENERAL)
** R01DE-06900-01 Immunology of oral herpes simplex viral infections (human)

VIRUS DISEASE CHARACTERISTICS, LATENT DORMANT OR SLOW
R01DE-06900-01 Immunology of oral herpes simplex viral infections (human)
** R03DE-06916-01 Oral herpes simplex in immunocompromised patients
R01DE-07007-02 Multiple factors in the etiology of oral cancer (mice)

VIRUS DISEASES, HERPESVIRIDAE
R01DE-06128-02 Synthesis-testing of a herpesvirus antiviral agent
** R01DE-06866-02 Deoxyuridine metabolism in herpes labialis (rabbit, human)

VIRUS DISEASES, HERPESVIRIDAE, CHICKENPOX
SEE ALSO VIRUSES, HERPESVIRIDAE, VARICELLA-ZOSTER VIRUS
R01DE-06128-02 Synthesis-testing of a herpesvirus antiviral agent

VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX
SEE ALSO VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE
SEE ALSO VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE, HUMAN (ALPHA) HERPESVIRUS 1
R01DE-06128-02 Synthesis-testing of a herpesvirus antiviral agent
** R01DE-06866-02 Deoxyuridine metabolism in herpes labialis (rabbit, human)
** R01DE-06900-01 Immunology of oral herpes simplex viral infections (human)
** R03DE-06916-01 Oral herpes simplex in immunocompromised patients
** R23DE-07710-01 New targets for anti-herpes simplex virus chemotherapy (rabbits)

VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX, HERPES GENITALIS
SEE ALSO VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE, HUMAN (ALPHA) HERPESVIRUS 2
R01DE-06128-02 Synthesis-testing of a herpesvirus antiviral agent

VIRUS DISEASES, HERPESVIRIDAE, SHINGLES (ZOSTER)
SEE ALSO VIRUSES, HERPESVIRIDAE, VARICELLA-ZOSTER VIRUS
R01DE-06128-02 Synthesis-testing of a herpesvirus antiviral agent

VIRUS INFECTION MECHANISMS (GENERAL)
SEE VIRUS DISEASE CHARACTERISTICS, INFECTION MECHANISMS (GENERAL)

VIRUS INHIBITORS
SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIVIRAL

VIRUS REPLICATION
SEE VIRUS DEVELOPMENT, REPLICATION

VIRUSES, BACTERIOPHAGE*
** R01DE-03606-16 Morphogenesis of bacteriophage Phi-29
R01DE-04224-11 Studies on the genetics of oral microflora (rats)

VIRUSES, HERPESVIRIDAE
** R01DE-06128-02 Synthesis-testing of a herpesvirus antiviral agent

VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE
SEE ALSO VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX
** P50DE-02623-18 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
R01DE-06128-02 Synthesis-testing of a herpesvirus antiviral agent
R01DE-07007-02 Multiple factors in the etiology of oral cancer (mice)
** R01DE-07008-03 Herpes virus antibodies in patients with oral cancer
** R01DE-07688-01 Human T cell responses to herpes simplex virus antigens (human, mice)

VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE, HUMAN (ALPHA) HERPESVIRUS 1
SEE ALSO VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX
** R01DE-06866-02 Deoxyuridine metabolism in herpes labialis (rabbit, human)
** R01DE-06900-01 Immunology of oral herpes simplex viral infections (human)
** R23DE-07710-01 New targets for anti-herpes simplex virus chemotherapy (rabbits)

VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE, HUMAN (ALPHA) HERPESVIRUS 2
SEE ALSO VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX, HERPES GENITALIS
R23DE-07710-01 New targets for anti-herpes simplex virus chemotherapy (rabbits)

VIRUSES, HERPESVIRIDAE, BETAHERPESVIRINAE
R01DE-06128-02 Synthesis-testing of a herpesvirus antiviral agent
** R03DE-07123-01 Role of cytomegalovirus in Sjogren's syndrome

VIRUSES, HERPESVIRIDAE, HUMAN (GAMMA) HERPESVIRUS 4
R01DE-06128-02 Synthesis-testing of a herpesvirus antiviral agent

VIRUSES, HERPESVIRIDAE, VARICELLA-ZOSTER VIRUS
SEE ALSO VIRUS DISEASES, HERPESVIRIDAE, CHICKENPOX
SEE ALSO VIRUS DISEASES, HERPESVIRIDAE, SHINGLES (ZOSTER)
R01DE-06128-02 Synthesis-testing of a herpesvirus antiviral agent

VIRUSES, PAPOVAVIRIDAE
R01DE-04511-10 Stability of differentiation--Craniofacial study (mice, human, hamsters)

VIRUSES, PAPOVAVIRIDAE, PAPILLOMAVIRUS
R01DE-04511-10 Stability of differentiation--Craniofacial study (mice, human, hamsters)

VIRUSES, RETROVIRIDAE, LEUKOSIS-SARCOMA AVIAN, LEUKOSIS VIRUSES AVIAN
** P50DE-02668-19 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)

VISCERAL AFFERENT NERVES
SEE NERVOUS SYSTEM, AFFERENT NERVES, VISCERAL AFFERENT NERVES

VISCOSITY-VISCOELASTICITY
SEE PHYSICAL PROPERTIES, VISCOSITY-VISCOELASTICITY

VISUAL RETINAL PIGMENTS
SEE VITAMINS, VITAMIN A, RETINALDEHYDE

VISUAL STIMULUS
SEE EYE, VISUAL STIMULUS

VITAL CAPACITY
SEE RESPIRATORY FUNCTION, RESPIRATORY AIRWAY VOLUME

VITAMIN EXCESS
SEE NUTRITIONAL ABNORMALITIES, HYPERVITAMINOSIS

VITAMIN A (GENERAL)
SEE VITAMINS, VITAMIN A (GENERAL)

VITAMIN A1
SEE VITAMINS, VITAMIN A, ALL-TRANS RETINOL

VITAMIN A ACID
SEE VITAMINS, VITAMIN A, RETINOIC ACID

VITAMIN A ALDEHYDE
SEE VITAMINS, VITAMIN A, RETINALDEHYDE

VITAMIN A ANALOGS
SEE VITAMINS, VITAMIN A ANALOGS

VITAMIN A AS ALL-TRANS RETINOL
SEE VITAMINS, VITAMIN A, ALL-TRANS RETINOL

VITAMIN B1
SEE VITAMINS, THIAMIN

(contd).

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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VITAMIN B2
SEE VITAMINS, RIBOFLAVIN

VITAMIN B3
SEE VITAMINS, NIACINS, NICOTINAMIDE

VITAMIN BC
SEE VITAMINS, FOLACINS, FOLIC ACID

VITAMIN C (GENERAL)
SEE VITAMINS, VITAMIN C (GENERAL)

VITAMIN C DEFICIENCY
SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS C

VITAMIN D (GENERAL)
SEE VITAMINS, VITAMIN D (GENERAL)

VITAMIN D DEFICIENCY
SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS D

VITAMIN D3
SEE VITAMINS, VITAMIN D, CHOLECALCIFEROL

VITAMIN D3, 25-HYDROXY
SEE VITAMINS, VITAMIN D, 25-HYDROXYCHOLECALCIFEROL

VITAMIN D3 ACTIVATED
SEE VITAMINS, VITAMIN D, 1,25-DIHYDROXYCHOLECALCIFEROL

VITAMIN F
SEE VITAMINS, THIAMIN

VITAMIN G
SEE VITAMINS, RIBOFLAVIN

VITAMIN M
SEE VITAMINS, FOLACINS, FOLIC ACID

VITAMIN PP
SEE VITAMINS, NIACINS, NICOTINIC ACID

VITAMIN THERAPY
SEE NUTRITION, DIET THERAPEUTIC, VITAMIN THERAPY (ALL ROUTES OF ADMINISTRATION)

VITAMINS, FOLACINS, FOLIC ACID
R01DE-06216-03 Gene-environment interactions in cleft lip mice (monkeys)

VITAMINS, NIACINS, NICOTINAMIDE
** R03DE-07386-01 Nicotinamide--A potential inhibitor of carcinogenesis (rats)

VITAMINS, NIACINS, NICOTINIC ACID
N01DE-22438-08 Relationship of dietary intake to caries incidence (human)

VITAMINS, RIBOFLAVIN
N01DE-22438-08 Relationship of dietary intake to caries incidence (human)

VITAMINS, THIAMIN
N01DE-22438-08 Relationship of dietary intake to caries incidence (human)

VITAMINS, VITAMIN A (GENERAL)
R01DE-06425-02 Nutritional studies of tooth development in vitro (mice, rats)
R23DE-06739-02 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)

VITAMINS, VITAMIN A, ALL-TRANS RETINOL
P50DE-02668-19 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
P50DE-02670-19 0020 Institute of dental research - Effects of trace elements on tooth development and caries
N01DE-22438-08 Relationship of dietary intake to caries incidence (human)

VITAMINS, VITAMIN A, RETINALDEHYDE
R01DE-06893-02 Effects of beta-carotene on salivary gland tumors (rats)

VITAMINS, VITAMIN A, RETINOIC ACID
R01DE-06977-02 Oral mucosa in vitro (mice, rats, guinea pigs)

VITAMINS, VITAMIN A ANALOGS
R01DE-06028-02 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R01DE-07007-02 Multiple factors in the etiology of oral cancer (mice)

VITAMINS, VITAMIN C (GENERAL)
SEE ALSO NUTRITIONAL ABNORM* ITIES, HYPOVITAMINOSIS C
R01DE-03318-14 The molecular nature of gingival and mucosal collagen (rats)

VITAMINS, VITAMIN C, ASCORBIC ACID
P50DE-02670-19 0020 Institute of dental research - Effects of trace elements on tooth development and caries
R03DE-06940-01 Comparisons of microvessels and osteoblasts in vitro
N01DE-22438-08 Relationship of dietary intake to caries incidence (human)

VITAMINS, VITAMIN D (GENERAL)
** P50DE-02668-19 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
R01DE-04724-07 Cellular events in bone remodeling (rats, mice, chickens)
R01DE-05210-06 Acid phosphatases in developing bones and teeth (rabbits, rats)
R01DE-05937-05 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R03DE-07418-01 Dentinogenesis imperfecta--Chromosome mapping

VITAMINS, VITAMIN D, CHOLECALCIFEROL
** R01DE-06854-02 Steroid hormone receptors in developing teeth (rats)
R23DE-07113-02 Isolation and characterization of osteoclasts (chicks)

VITAMINS, VITAMIN D, 1,25-DIHYDROXYCHOLECALCIFEROL
R01DE-05413-06 Bone resorption in periodontal disease (human, rats, mice)
R03DE-06940-01 Comparisons of microvessels and osteoblasts in vitro

VITAMINS, VITAMIN D, 25-HYDROXYCHOLECALCIFEROL
P50DE-02668-19 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)

VITAMINS, VITAMIN E, TOCOLS
R01DE-06893-02 Effects of beta-carotene on salivary gland tumors (rats)

VOICE SYNTHESIZER
SEE INFORMATION AND COMMUNICATION, VOICE SYNTHESIZER

WATER
SEE ALSO BIOLOGICAL TRANSPORT, FLUID EXCHANGE AND TRANSPORT
SEE ALSO CHEMICAL REACTIONS, HYDRATION-DEHYDRATION
SEE ALSO CHEMICAL REACTIONS, SOLVOLYSIS, HYDROLYSIS
R01DE-01912-22 Tooth enamel apatite at the atomic level (human)
** R01DE-06201-01 Water sorption of glassy dental polymers
R03DE-07014-01 Human PDL cell attachment to root surfaces

WATER-ELECTROLYTE BALANCE
SEE BODY FLUID BALANCE, IONIC

WATER ENVIRONMENT, MARINE BIOLOGY
SEE ALSO FOOD, SEAFOOD
R13DE-07080-01 Gordon research conference on calcium phosphates, 1985

WATER SUPPLY
R01DE-04387-09 Effect of fluoride on cAMP and glucose metabolism (rats)
R01DE-06418-03 Laboratory and clinical studies of dental fluorosis
R23DE-07384-01 Effects of chronic high fluoride on enamel development (rats)
N01DE-32444-02 Pharmacology of intraoral fluoride-releasing device

WATER TREATMENT
R01DE-06418-03 Laboratory and clinical studies of dental fluorosis

WAVESHAPE PROCESSING ANALYSIS AND DISPLAY
SEE OPTICS, IMAGE PROCESSING ANALYSIS AND DISPLAY*

WEAR PROPERTIES OF DENTAL MATERIALS
SEE DENTAL MATERIALS, WEAR

WEAR RESISTANCE OF DENTAL MATERIALS
SEE DENTAL MATERIALS, WEAR

WHITE AMERICANS
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, WHITE AMERICANS

WISH CELLS
SEE NEOPLASTIC CELLS

WORKSHOP
SEE INFORMATION DISSEMINATION, MEETINGS CONFERENCES SYMPOSIA, WORKSHOP

WOUND HEALING
SEE INJURIES, WOUND HEALING

WOUNDS
SEE INJURIES, WOUNDS

X INHERITED TRAITS
SEE GENETIC DISORDERS, SEX-LINKED CONDITIONS

XERODERMOSTEOSIS
SEE CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME

XEROGRAPHIC RADIOGRAPHS
SEE RADIOGRAPHY, XEROGRAPHY

XEROGRAPHY
SEE RADIOGRAPHY, XEROGRAPHY

X-RAY DENSITOMETRY
SEE PHYSICAL PROPERTIES, DENSITOMETRY*

X-RAYS
SEE RADIATION, ELECTROMAGNETIC WAVES, X-RAYS

Y INHERITED TRAITS
SEE GENETIC DISORDERS, SEX-LINKED CONDITIONS

YOUNG ADULTS
SEE AGE (HUMAN), ADULT, YOUNG (21 TO 44 YRS)

YOUTH
SEE CHILDREN

ZEUMATOGRAPHY
SEE OPTICS, NMR IMAGING

ZINC (COMPOUNDS)
SEE METALS, HEAVY METALS, ZINC (COMPOUNDS)

ZN
SEE METALS, HEAVY METALS, ZINC (COMPOUNDS)

ZONA
SEE VIRUS DISEASES, HERPESVIRIDAE, SHINGLES (ZOSTER)

ZOSTER
SEE VIRUS DISEASES, HERPESVIRIDAE, SHINGLES (ZOSTER)

ZOSTER OPHTHALMICUS
SEE VIRUS DISEASES, HERPESVIRIDAE, SHINGLES (ZOSTER)

ZYMOGENS
SEE ENZYMES, ZYMOGENS

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**Oriented significantly to above subject

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See Appendix for investigator's name and Grant Number

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TELSER, ALVIN G	R01DE06556-03
THIBODEAU, EDWARD A	R23DE06222-03
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THOMAS, EDWIN L	R01DE04235-09
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TICE, THOMAS R	N01DE52555-01
TOOLE, BRYAN P	R01DE05838-06
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URIST, MARSHALL R	R01DE02103-20
VAIDYANATHAN, JAYAL	R23DE06987-01
VAN BUSKIRK, WILLIA	R01DE06859-01
VAN DER SPIEGEL, JA	R01DE06426-02
VAN DYKE, THOMAS E	R01DE06436-04
VAN DYKE, THOMAS E	R01DE06989-01
VANHOUTE, JOHANNES	P01DE02847-17 0021
VARGERVIK, KARIN	R01DE04940-07
VEIS, ARTHUR	R01DE01374-25
VIG, PETER S	R01DE06881-03
VOGEL, JAMES J	R01DE04439-06
WAITE, JOHN H	R01DE05956-05
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WALKER, CLAY B	P50DE07117-01 0002
WALTERS, JOHN D	R03DE07275-01
WARE, WILLIAM H	R03DE07052-01
WARREN, DONALD W	P50DE02668-19 0214
WARREN, DONALD W	R01DE06957-02
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WATERMAN, ROBERT E	R01DE05881-03
WATSON, EILEEN L	R01DE05249-06
WAYLER, ALAN H	R23DE05827-03
WEBER, DENNIS F	R03DE06714-02
WEFEL, JAMES S	R01DE04486-08
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WEINER, SAUL	R03DE06902-01
WEINSTEIN, PHILIP	R01DE05913-03
WEINSTEIN, PHILIP	R01DE06417-02
WESTBURY, JOHN R	R23DE06618-02
WESTON, JAMES A	R01DE04316-09
WESTRUM, LESNICK E	R01DE04942-06
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WHITE, TIMOTHY	P01DE07687-04 0008
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WHITSON, S WILLIAM	R03DE06940-01
WIDMALM, SVEN-ERIK	R03DE06813-02
WIDMER, CHARLES G	R03DE07440-01
WILDER, ALDRIDGE D	P50DE02668-19 0191
WILLIAMS, MARSHALL	R01DE06866-02
WILSON, MARK E	R23DE06640-03
WOODBURY, DIXON M	R03DE07121-01
YANKELL, SAMUEL L	N01DE52484-11
YASBIN, RONALD E	P50DE07003-02 0003
YOTIS, WILLIAM W	R01DE05027-06
YOUNG, FRANKLIN A	R01DE03497-11
YOUNG, ROBERT A	R01DE01912-22
YU, JIA-HUEY	R01DE06913-03
ZAPKA, JANE M	R03DE06818-01
ZEICHNER-DAVID, MAR	P01DE02848-15 0010
ZEICHNER-DAVID, MAR	R01DE06852-02
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Z01 DE00022-19	208,336
Z01 DE00024-19	275,906
Z01 DE00025-19	512,415
Z01 DE00028-18	179,651
Z01 DE00031-17	99,234
Z01 DE00034-17	388,389
Z01 DE00042-15	282,641
Z01 DE00043-15	178,791
Z01 DE00044-15	177,201
Z01 DE00046-14	250,145
Z01 DE00049-14	168,966
Z01 DE00061-12	146,378
Z01 DE00065-14	140,350
Z01 DE00070-13	79,077
Z01 DE00074-13	239,765
Z01 DE00080-12	511,348
Z01 DE00088-12	233,294
Z01 DE00112-12	95,901
Z01 DE00123-12	523,820
Z01 DE00132-11	94,842
Z01 DE00133-11	109,960
Z01 DE00134-11	452,370
Z01 DE00149-11	315,013
Z01 DE00157-10	293,048
Z01 DE00199-09	246,514
Z01 DE00204-08	294,697
Z01 DE00211-09	171,849
Z01 DE00212-09	73,348
Z01 DE00216-09	140,461
Z01 DE00217-07	112,579
Z01 DE00230-09	322,565
Z01 DE00234-08	40,957
Z01 DE00246-08	66,780
Z01 DE00247-08	112,191
Z01 DE00250-08	241,296
Z01 DE00254-08	220,365
Z01 DE00273-07	244,685
Z01 DE00275-07	12,568
Z01 DE00276-07	116,917

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Z01 DE00282-06	66,761
Z01 DE00285-06	165,391
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Z01 DE00290-06	256,145
Z01 DE00291-06	129,250
Z01 DE00292-06	9,248
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Z01 DE00310-05	72,625
Z01 DE00311-05	228,762
Z01 DE00319-05	49,825
Z01 DE00329-04	101,175
Z01 DE00332-04	226,185
Z01 DE00336-04	234,777
Z01 DE00337-04	191,305
Z01 DE00338-04	101,576
Z01 DE00341-04	85,862
Z01 DE00353-04	1,411
Z01 DE00354-04	20,609
Z01 DE00361-03	19,442
Z01 DE00362-03	9,977
Z01 DE00366-03	104,736
Z01 DE00371-03	9,503
Z01 DE00372-03	138,050
Z01 DE00373-03	114,409
Z01 DE00374-03	256,561
Z01 DE00376-02	97,821
Z01 DE00377-02	87,580
Z01 DE00378-02	76,937
Z01 DE00379-02	251,101
Z01 DE00380-02	220,988
Z01 DE00381-02	109,586
Z01 DE00382-02	103,447
Z01 DE00383-02	55,943
Z01 DE00384-02	148,956
Z01 DE00385-02	94,758
Z01 DE00386-02	48,404
Z01 DE00387-02	23,288
Z01 DE00388-02	7,067
Z01 DE00389-02	2,065
Z01 DE00390-02	38,543
Z01 DE00391-02	65,810

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Z01 DE00394-01	108,505
Z01 DE00395-01	7,982
Z01 DE00396-01	79,518
Z01 DE00397-01	75,330
Z01 DE00398-01	29,946
Z01 DE00399-01	98,021
Z01 DE00400-01	54,665
Z01 DE00401-01	79,732
Z01 DE00402-01	25,763
Z01 DE00403-01	202,372
Z01 DE00404-01	31,259
Z01 DE00405-01	93,613
Z01 DE00406-01	89,747
Z01 DE00407-01	63,304
Z01 DE00408-01	38,394
Z01 DE00409-01	33,327
Z01 DE00410-01	110,215
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B	ACTINOMYCES	ZO1 DE00385-02
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D	MOUTHWASHES	N01 DE52484-12
G	NEUROPHYSIOLOGY	Z01 DE00394-01
G	NUTRITION	N01 DE32441-05
E	ORAL HYGIENE	N01 DE12433-07
C	PAIN	Z01 DE00133-11
C	PAIN	Z01 DE00288-06
C	PAIN	Z01 DE00291-06
C	PAIN	Z01 DE00377-02
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C	PERIODONTAL DISEASES	N01 DE32443-01
C	PERIODONTAL DISEASES	N01 DE42553-02
C	PERIODONTAL DISEASES	N01 DE52556-01
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C	PERIODONTAL DISEASES	Z01 DE00399-01
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G	PRIMARY PREVENTION	N01 DE22439-06
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AGELLI, MARIA	Z01	DE00397-01
BANERJEE, DIPAK K	Z01	DE00398-01
BAUM, BRUCE J	Z01	DE00336-04
BENNETT, GARY J	Z01	DE00247-08
BRENNAN, MICHAEL J	Z01	DE00385-02
BROWN, FREDERICK J	Z01	DE00031-17
BROWN, KENNETH S	Z01	DE00024-19
BRUNELLE, JANET A	Z01	DE00292-06
BRUNELLE, JANET A	Z01	DE00403-01
CARLOS, JAMES P	Z01	DE00399-01
CARLOS, JAMES P	Z01	DE00400-01
CHASSY, BRUCE M	Z01	DE00042-15
CHUNG, SOO IL	Z01	DE00049-14
CIARDI, JOSEPH E	Z01	DE00381-02
CISAR, JOHN O	Z01	DE00254-08
COLE, MICHAEL F	Z01	DE00384-02
CURTIS, MICHAEL A	Z01	DE00391-02
DIONNE, RAYMOND A	Z01	DE00132-11
DIONNE, RAYMOND A	Z01	DE00286-06
DIONNE, RAYMOND A	Z01	DE00378-02
DONKERSLOOT, JACOB A	Z01	DE00043-15
DRISCOLL, WILLIAM S	Z01	DE00396-01
EANES, EDWARD D	Z01	DE00088-12
FIELD, RUTH B	Z01	DE00376-02
FISHER, LARRY W	Z01	DE00074-13
FOLK, JOHN E	Z01	DE00001-33
FOLK, JOHN E	Z01	DE00311-05
FOWLER, BRUCE O	Z01	DE00012-23
FOX, PHILIP C	Z01	DE00337-04
GRACELY, RICHARD H	Z01	DE00133-11
GRACELY, RICHARD H	Z01	DE00276-07
HAND, ARTHUR R	Z01	DE00028-18
HASCALL, VINCENT C	Z01	DE00134-11
HASSELL, JOHN R	Z01	DE00149-11
HOFFELD, J. TERRELL	Z01	DE00338-04
HOROWITZ, HERSCHEL S	Z01	DE00070-13
HOROWITZ, HERSCHEL S	Z01	DE00277-06
HOROWITZ, HERSCHEL S	Z01	DE00310-05
HYLDEN, JANICE L	Z01	DE00394-01
KEMP, CHRISTOPHER W	Z01	DE00383-02
KENSHALO, DANIEL R	Z01	DE00377-02
KINGMAN, ALBERT	Z01	DE00353-04
KINGMAN, ALBERT	Z01	DE00387-02
KINGMAN, ALBERT	Z01	DE00388-02

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KINGMAN, ALBERT	Z01	DE00409-01
KLEINMAN, HYNDA K	Z01	DE00230-09
KOLENBRANDER, PAUL E	Z01	DE00273-07
KOUSVELARI, ELENI E	Z01	DE00372-03
KRICHEVSKY, MICAH I	Z01	DE00044-15
LI, SHOU HUA	Z01	DE00402-01
LI, SHOU-HUA	Z01	DE00354-04
LITTLE, WAYNE A	Z01	DE00371-03
LITTLE, WAYNE A	Z01	DE00401-01
LOE, HARALD	Z01	DE00410-01
LONDON, JACK P	Z01	DE00022-19
MAIXNER, WILLIAM	Z01	DE00329-04
MARTIN, GEORGE R	Z01	DE00009-24
MARTIN, GEORGE R	Z01	DE00275-07
MARTIN, SUE E	Z01	DE00361-03
MAX, MITCHELL B	Z01	DE00366-03
MEDNIEKS, MAIJA I	Z01	DE00285-06
MIRTH, DALE B	Z01	DE00281-06
MIRTH, DALE B	Z01	DE00282-06
OLIVER, CONSTANCE	Z01	DE00199-09
OLIVERAS, JEAN-LOUIS	Z01	DE00291-06
PLUZNIK, DOV H	Z01	DE00374-03
PRABHAKAR, BELLUR S	Z01	DE00309-05
PUGA-CARRASCO, ALVARO	Z01	DE00123-12
REDDI, A. HARIDARA	Z01	DE00204-08
ROBERTS, MICHAEL W	Z01	DE00332-04
ROBERTS, MICHAEL W	Z01	DE00362-03
ROBERTS, MICHAEL W	Z01	DE00395-01
ROBEY, PAMELA G	Z01	DE00380-02
ROBRISH, STANLEY A	Z01	DE00382-02
RUDA, MARYANN T	Z01	DE00288-06
RUFF, MICHAEL F	Z01	DE00386-02
SANDBERG, ANN L	Z01	DE00061-12
SCHIFFMANN, ELLIOTT	Z01	DE00006-25
SHERN, ROALD J	Z01	DE00112-12
SHERN, ROALD J	Z01	DE00234-08
SHERN, ROALD J	Z01	DE00319-05
SHERN, ROALD J	Z01	DE00408-01
SINGER, ELYSE J	Z01	DE00246-08
SIRAGANIAN, REUBEN P	Z01	DE00034-17
SIRAGANIAN, REUBEN P	Z01	DE00290-06
SMITH, JACQUELINE I	Z01	DE00389-02
SMITH, PHILLIP D	Z01	DE00392-02
SRINIVASAPPA, JAVARAIAH	Z01	DE00080-12

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INVESTIGATOR		NUMBER
STILES, HORACE M.	Z01	DE00390-02
STILES, HORACE M.	Z01	DE00404-01
STILES, HORACE M.	Z01	DE00405-01
STILES, HORACE M.	Z01	DE00406-01
STILES, HORACE M.	Z01	DE00407-01
THOMPSON, JOHN	Z01	DE00341-04
TORCHIA, DENNIS A.	Z01	DE00157-10
WAHL, LARRY M.	Z01	DE00216-09
WAHL, SHARON M.	Z01	DE00046-14
WALCZAK, CYNTHIA A.	Z01	DE00250-08
WEBBER, RICHARD L.	Z01	DE00065-14
WEBBER, RICHARD L.	Z01	DE00211-09
WEBBER, RICHARD L.	Z01	DE00373-03
WEIFFENBACH, JAMES M.	Z01	DE00212-09
WITTENBERGER, CHARLES L.	Z01	DE00007-25
WOLF, ROBERT O.	Z01	DE00217-07
YAMADA, YOSHIHIKO	Z01	DE00025-19
YOUNG, MARIAN F.	Z01	DE00379-02

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INTRAMURAL RESEARCH PROJECTS BY LABORATORY/BRANCH

LABORATORY/BRANCH	AMOUNT
CLINICAL INVESTIGATIONS & PATIENT CARE BRANCH	
Z01 DE00212-09	73,348
Z01 DE00332-04	226,185
Z01 DE00336-04	234,777
Z01 DE00337-04	191,305
Z01 DE00338-04	101,576
Z01 DE00361-03	19,442
Z01 DF00362-03	9,977
Z01 DE00372-03	138,050
Z01 DE00395-01	7,982
Z01 DE00398-01	29,946
	1,032,588
DIAGNOSTIC SYSTEMS BRANCH	
Z01 DE00065-14	140,350
Z01 DE00211-09	171,849
Z01 DE00373-03	114,409
	426,608
DISEASE PREVENTION BRANCH	
Z01 DE00070-13	79,077
Z01 DE00112-12	95,901
Z01 DE00234-08	40,957
Z01 DE00277-06	25,910
Z01 DE00281-06	33,164
Z01 DE00282-06	66,761
Z01 DE00310-05	72,625
Z01 DE00319-05	49,825
Z01 DE00371-03	9,503
Z01 DE00390-02	38,543
Z01 DE00396-01	79,518
Z01 DE00401-01	79,732
Z01 DE00404-01	31,259
Z01 DE00405-01	93,613
Z01 DE00406-01	89,747
Z01 DE00407-01	63,304
Z01 DE00408-01	38,394
	987,833

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LABORATORY/BRANCH	AMOUNT
EPIDEMIOLOGY BRANCH	
Z01 DE00044-15	177,201
Z01 DE00250-08	241,296
Z01 DE00292-06	9,248
Z01 DE00353-04	1,411
Z01 DE00354-04	20,609
Z01 DE00387-02	23,288
Z01 DE00388-02	7,067
Z01 DE00389-02	2,065
Z01 DE00399-01	98,021
Z01 DE00400-01	54,665
Z01 DE00402-01	25,763
Z01 DE00403-01	202,372
Z01 DE00409-01	33,327
Z01 DE00410-01	110,215
	1,006,548
LAB OF DEVELOPMENTAL BIOLOGY AND ANOMALIES	
Z01 DE00006-25	130,193
Z01 DE00009-24	474,889
Z01 DE00024-19	275,906
Z01 DE00025-19	512,415
Z01 DE00149-11	315,013
Z01 DE00230-09	322,565
Z01 DE00275-07	12,568
	2,043,549
LAB OF MICROBIOLOGY AND IMMUNOLOGY	
Z01 DE00007-25	211,260
Z01 DE00022-19	208,336
Z01 DE00034-17	388,389
Z01 DE00042-15	282,641
Z01 DE00043-15	178,791
Z01 DE00046-14	250,145
Z01 DE00061-12	146,378
Z01 DE00216-09	140,461
Z01 DE00254-08	220,365
Z01 DE00273-07	244,685
Z01 DE00290-06	256,145

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LABORATORY/BRANCH	AMOUNT
LAB OF MICROBIOLOGY AND IMMUNOLOGY	
Z01 DE00341-04	85,862
Z01 DE00374-03	256,561
Z01 DE00381-02	109,586
Z01 DE00382-02	103,447
Z01 DE00383-02	55,943
Z01 DE00384-02	148,956
Z01 DE00385-02	94,758
Z01 DE00386-02	48,404
Z01 DE00391-02	65,810
Z01 DE00392-02	131,398
Z01 DE00397-01	75,330
	3,703,651
LAB OF ORAL BIOLOGY AND PHYSIOLOGY	
Z01 DE00001-33	130,400
Z01 DE00028-18	179,651
Z01 DE00049-14	168,966
Z01 DE00199-09	246,514
Z01 DE00217-07	112,579
Z01 DE00285-06	165,391
Z01 DE00311-05	228,762
Z01 DE00376-02	97,821
	1,330,084
LABORATORY OF ORAL MEDICINE	
Z01 DE00080-12	511,348
Z01 DE00123-12	523,820
Z01 DE00309-05	753,373
	1,788,541
MINERALIZED TISSUE RESEARCH BRANCH	
Z01 DE00012-23	87,608
Z01 DE00074-13	239,765
Z01 DE00088-12	233,294
Z01 DE00134-11	452,370
Z01 DE00157-10	293,048

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LABORATORY/BRANCH	AMOUNT
MINERALIZED TISSUE RESEARCH BRANCH	
Z01 DE00204-08	294,697
Z01 DE00379-02	251,101
Z01 DE00380-02	220,988
	2,072,871
NEUROBIOLOGY AND ANESTHESIOLOGY BRANCH	
Z01 DE00031-17	99,234
Z01 DE00132-11	94,842
Z01 DE00133-11	109,960
Z01 DE00246-08	66,780
Z01 DE00247-08	112,191
Z01 DE00276-07	116,917
Z01 DE00286-06	30,570
Z01 DE00288-06	187,245
Z01 DE00291-06	129,250
Z01 DE00329-04	101,175
Z01 DE00366-03	104,736
Z01 DE00377-02	87,580
Z01 DE00378-02	76,937
Z01 DE00394-01	108,505
	1,425,922
GRAND TOTAL	15,818,195

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